

Pantheon Report

Generated at 2018-02-27 21:07:39 (UTC).

Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

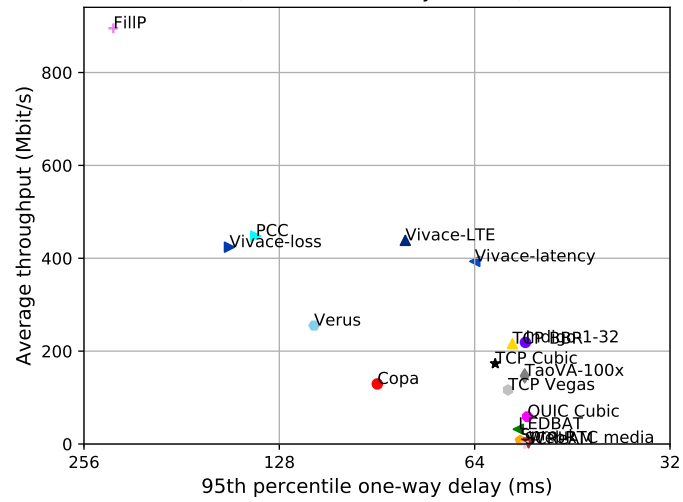
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

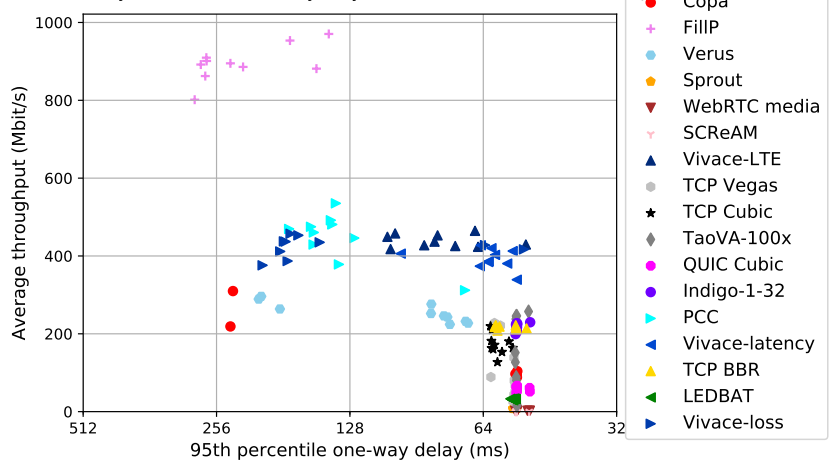
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE Tokyo Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Tokyo Ethernet to GCE Sydney Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	216.03	55.97	0.36
TCP Cubic	10	173.11	59.50	0.42
LEDBAT	10	31.88	54.83	0.66
PCC	10	447.87	139.13	0.69
QUIC Cubic	10	58.87	53.08	0.56
SCReAM	10	0.21	53.59	0.38
WebRTC media	10	2.33	52.87	0.43
Sprout	10	7.75	54.46	0.38
TaoVA-100x	10	146.78	53.60	0.29
TCP Vegas	10	116.36	56.85	0.28
Verus	10	255.05	113.17	0.75
Copa	10	129.42	90.41	7.55
FillP	10	895.26	230.67	6.12
Indigo-1-32	10	218.85	53.45	0.36
Vivace-latency	10	393.29	63.98	0.41
Vivace-loss	10	423.92	152.78	3.21
Vivace-LTE	10	438.58	81.86	0.45

Run 1: Statistics of TCP BBR

Start at: 2018-02-27 14:42:31

End at: 2018-02-27 14:43:01

Below is generated by plot.py at 2018-02-27 19:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.16 Mbit/s

95th percentile per-packet one-way delay: 59.999 ms

Loss rate: 0.36%

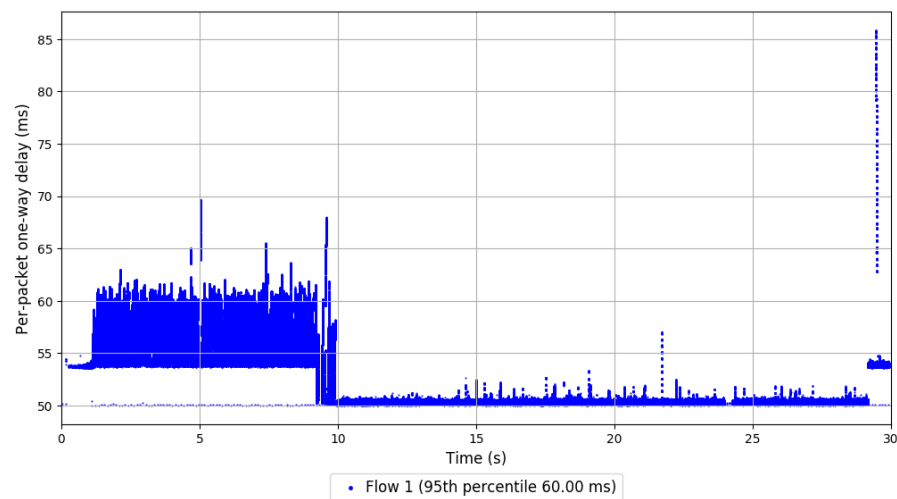
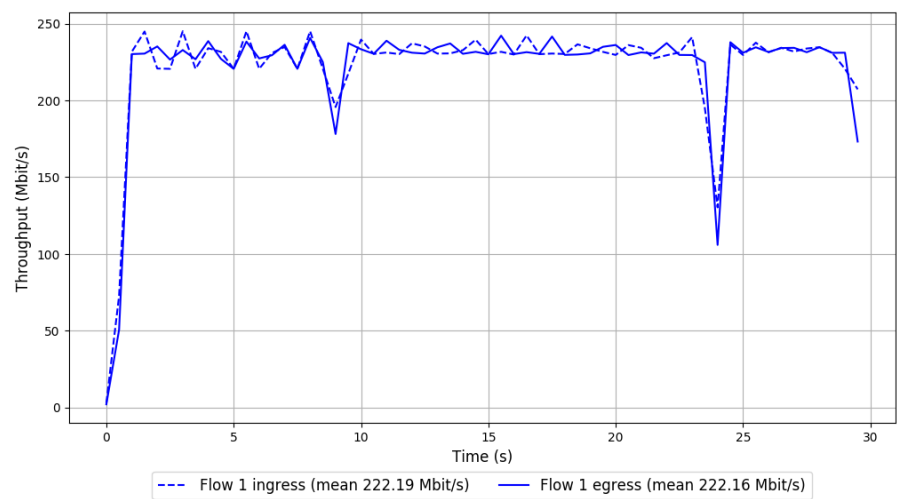
-- Flow 1:

Average throughput: 222.16 Mbit/s

95th percentile per-packet one-way delay: 59.999 ms

Loss rate: 0.36%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-27 14:57:37

End at: 2018-02-27 14:58:07

Below is generated by plot.py at 2018-02-27 19:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.89 Mbit/s

95th percentile per-packet one-way delay: 60.331 ms

Loss rate: 0.00%

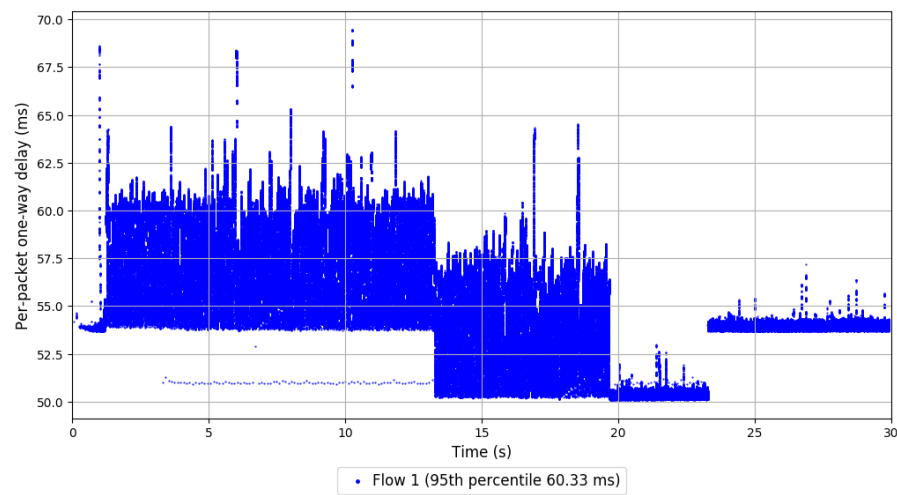
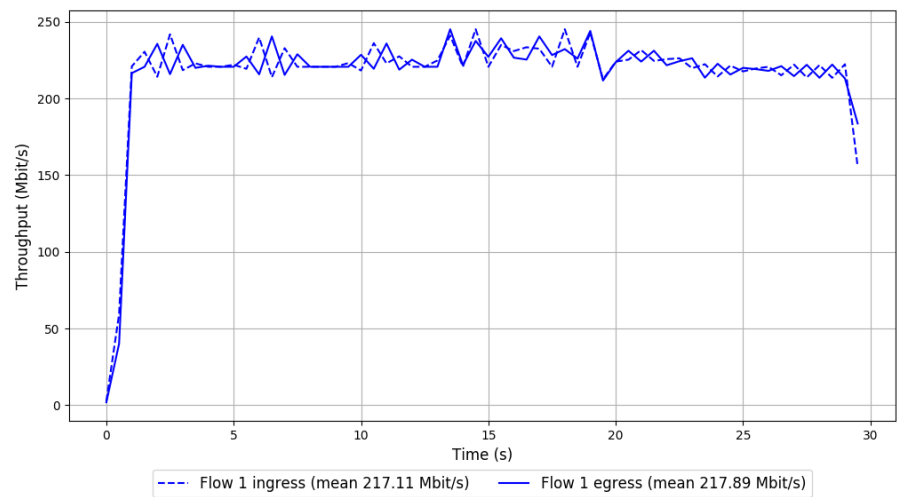
-- Flow 1:

Average throughput: 217.89 Mbit/s

95th percentile per-packet one-way delay: 60.331 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-27 15:12:13

End at: 2018-02-27 15:12:43

Below is generated by plot.py at 2018-02-27 19:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.87 Mbit/s

95th percentile per-packet one-way delay: 54.072 ms

Loss rate: 0.38%

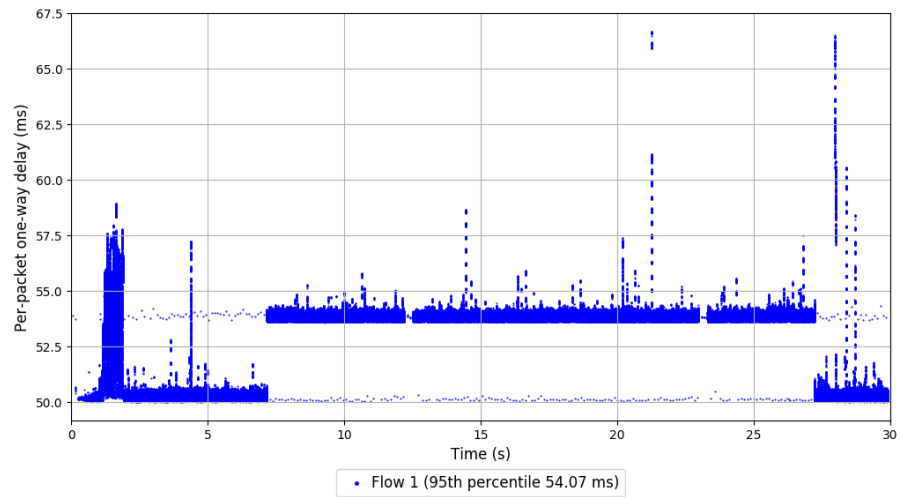
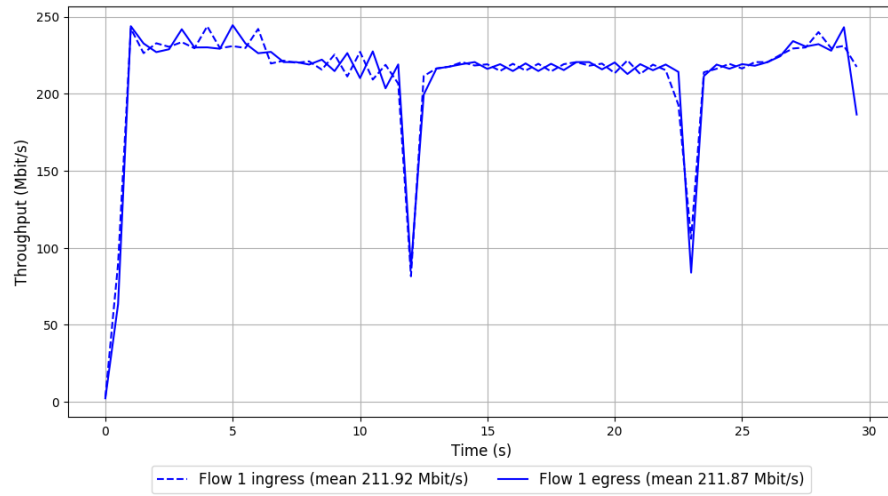
-- Flow 1:

Average throughput: 211.87 Mbit/s

95th percentile per-packet one-way delay: 54.072 ms

Loss rate: 0.38%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-27 15:26:59

End at: 2018-02-27 15:27:30

Below is generated by plot.py at 2018-02-27 19:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.49 Mbit/s

95th percentile per-packet one-way delay: 53.992 ms

Loss rate: 0.37%

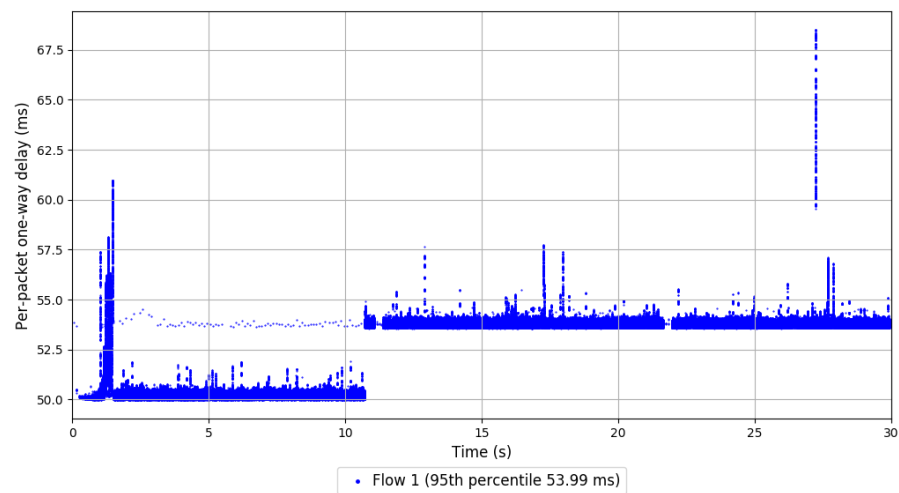
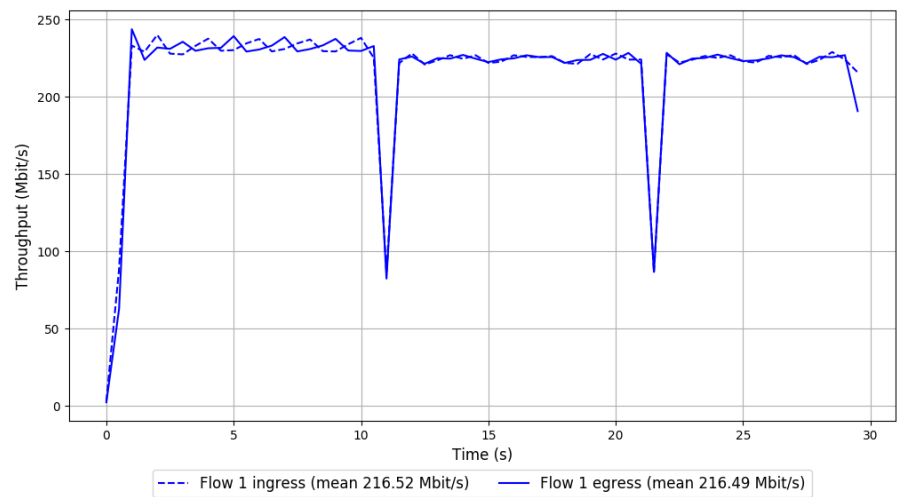
-- Flow 1:

Average throughput: 216.49 Mbit/s

95th percentile per-packet one-way delay: 53.992 ms

Loss rate: 0.37%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-27 15:41:45

End at: 2018-02-27 15:42:15

Below is generated by plot.py at 2018-02-27 19:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.35 Mbit/s

95th percentile per-packet one-way delay: 59.446 ms

Loss rate: 0.66%

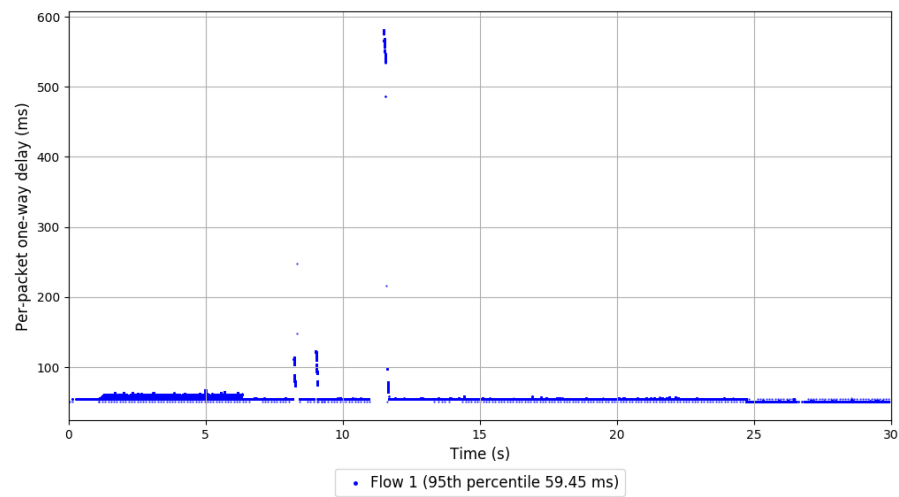
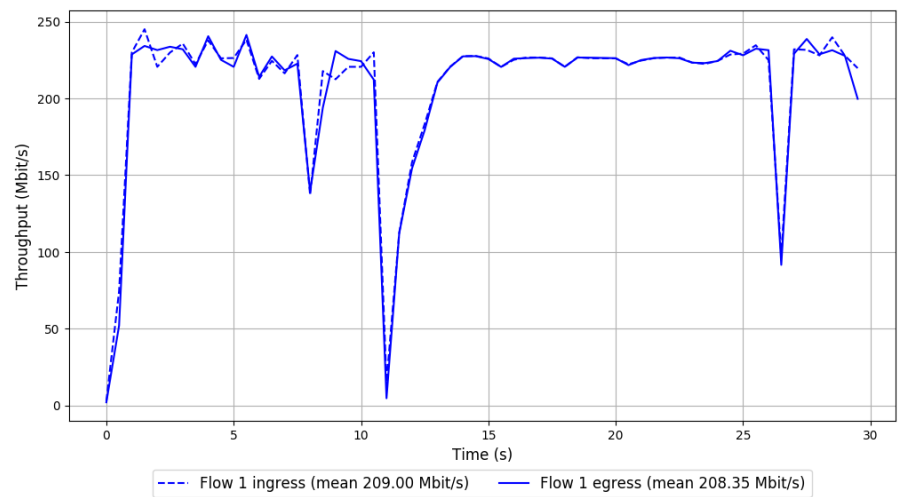
-- Flow 1:

Average throughput: 208.35 Mbit/s

95th percentile per-packet one-way delay: 59.446 ms

Loss rate: 0.66%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-27 15:56:36

End at: 2018-02-27 15:57:06

Below is generated by plot.py at 2018-02-27 19:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.85 Mbit/s

95th percentile per-packet one-way delay: 51.107 ms

Loss rate: 0.37%

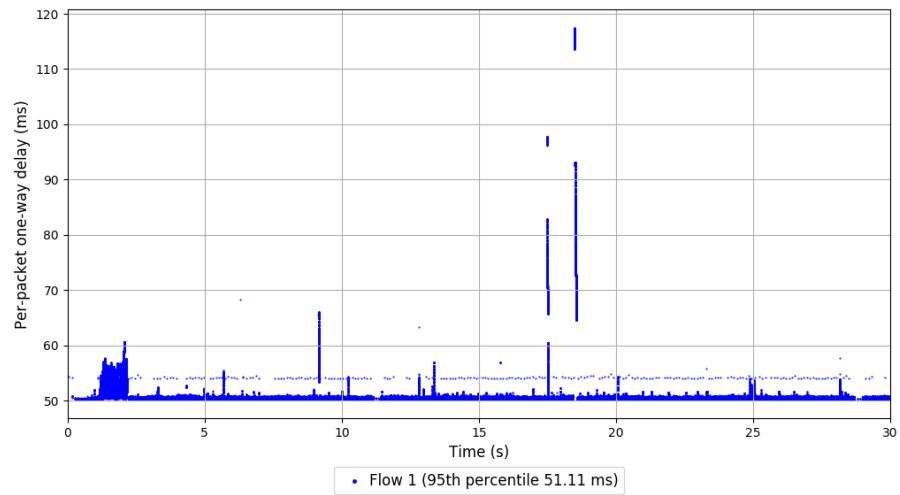
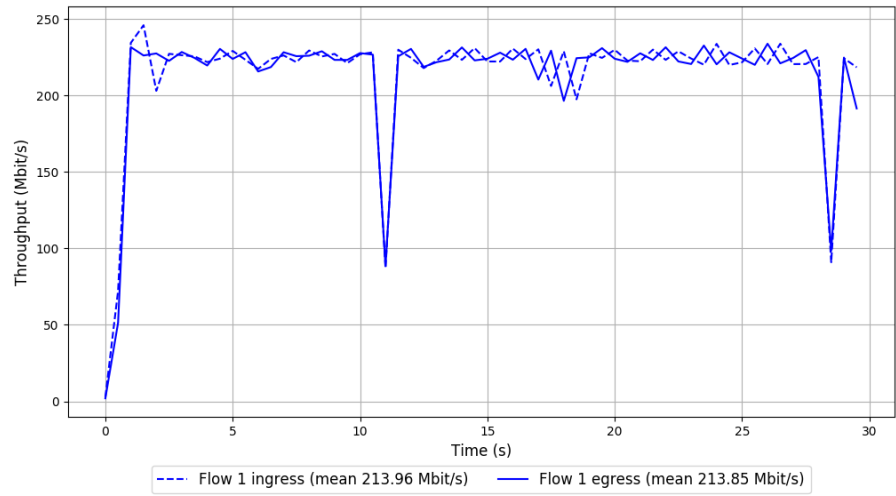
-- Flow 1:

Average throughput: 213.85 Mbit/s

95th percentile per-packet one-way delay: 51.107 ms

Loss rate: 0.37%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-27 16:11:16

End at: 2018-02-27 16:11:46

Below is generated by plot.py at 2018-02-27 19:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.53 Mbit/s

95th percentile per-packet one-way delay: 58.824 ms

Loss rate: 0.37%

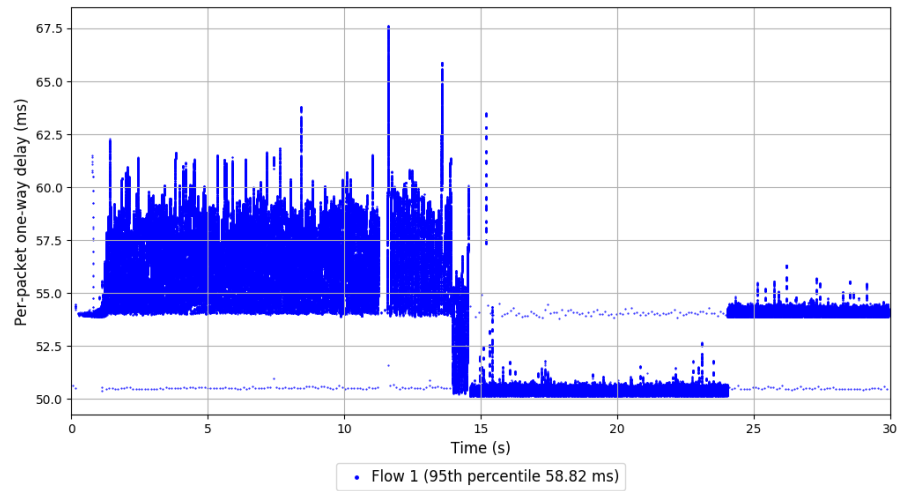
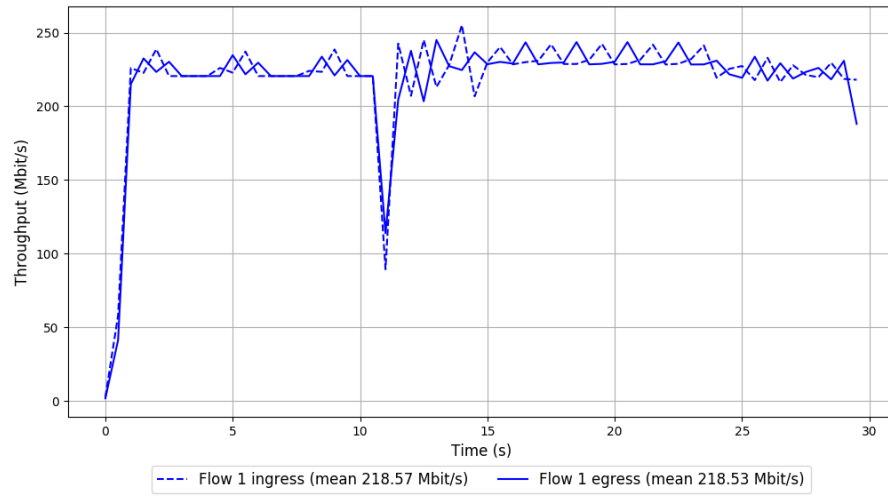
-- Flow 1:

Average throughput: 218.53 Mbit/s

95th percentile per-packet one-way delay: 58.824 ms

Loss rate: 0.37%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-27 16:26:03

End at: 2018-02-27 16:26:33

Below is generated by plot.py at 2018-02-27 19:39:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.96 Mbit/s

95th percentile per-packet one-way delay: 54.068 ms

Loss rate: 0.36%

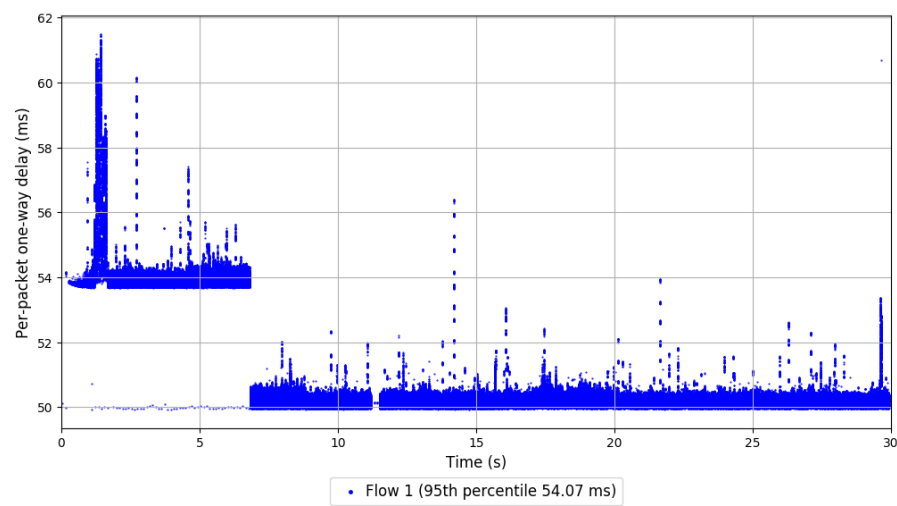
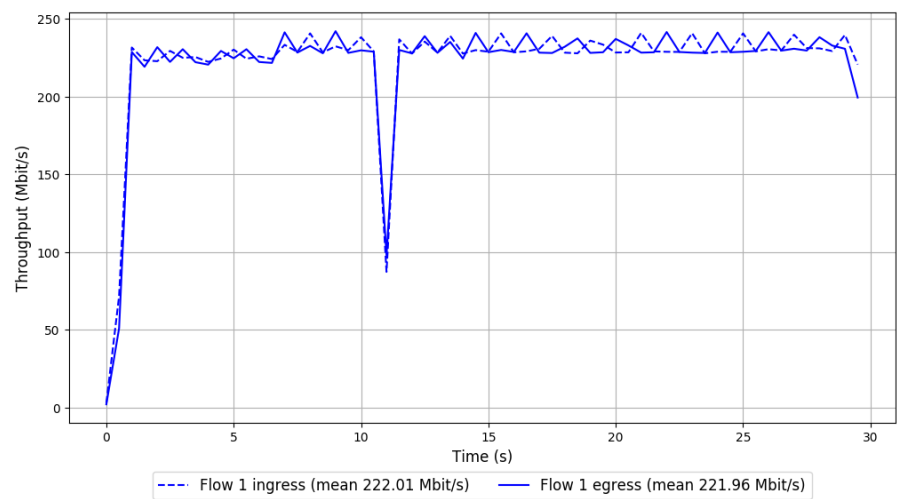
-- Flow 1:

Average throughput: 221.96 Mbit/s

95th percentile per-packet one-way delay: 54.068 ms

Loss rate: 0.36%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-27 16:40:37

End at: 2018-02-27 16:41:07

Below is generated by plot.py at 2018-02-27 19:42:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.05 Mbit/s

95th percentile per-packet one-way delay: 53.933 ms

Loss rate: 0.38%

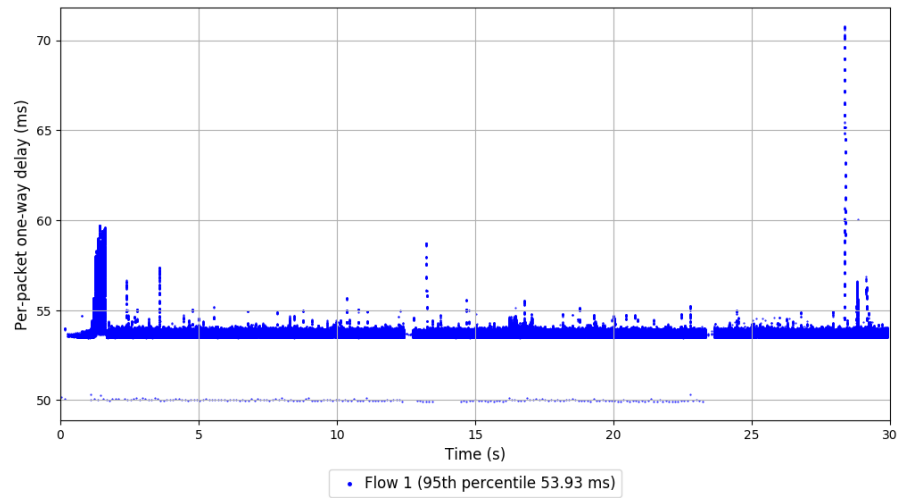
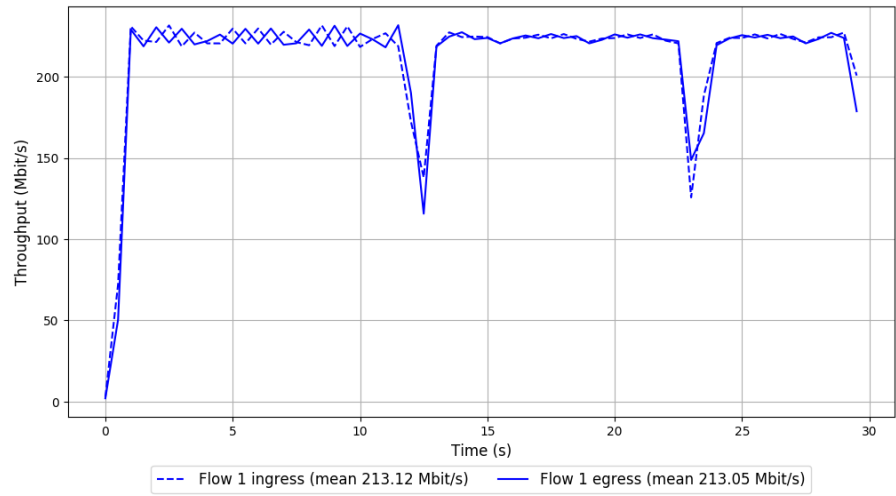
-- Flow 1:

Average throughput: 213.05 Mbit/s

95th percentile per-packet one-way delay: 53.933 ms

Loss rate: 0.38%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-27 16:55:23

End at: 2018-02-27 16:55:53

Below is generated by plot.py at 2018-02-27 19:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.16 Mbit/s

95th percentile per-packet one-way delay: 53.952 ms

Loss rate: 0.37%

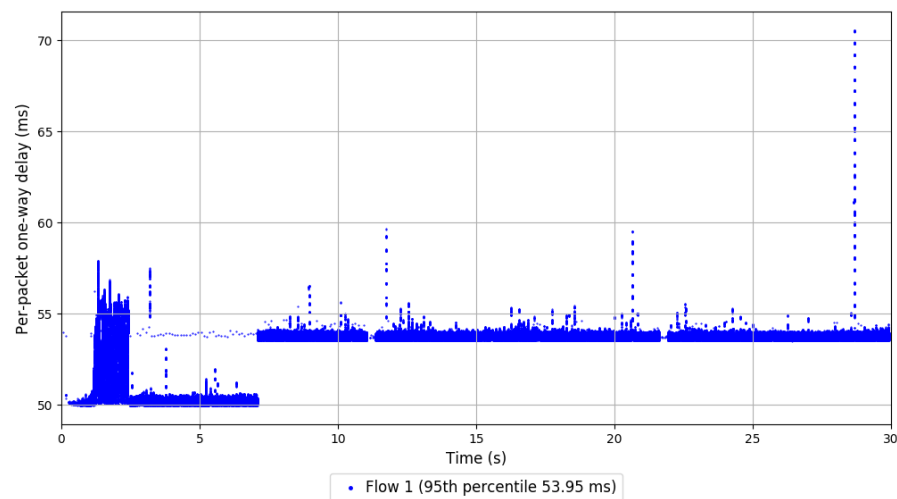
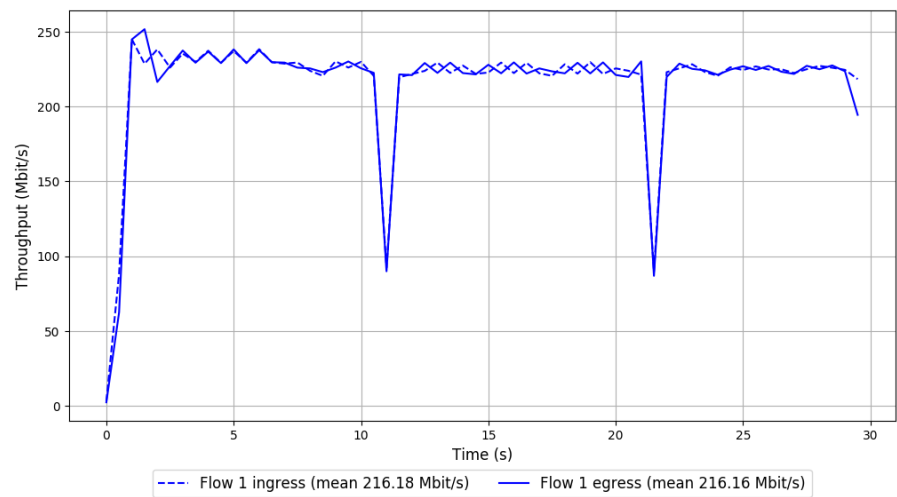
-- Flow 1:

Average throughput: 216.16 Mbit/s

95th percentile per-packet one-way delay: 53.952 ms

Loss rate: 0.37%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-27 14:33:47

End at: 2018-02-27 14:34:17

Below is generated by plot.py at 2018-02-27 19:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.39 Mbit/s

95th percentile per-packet one-way delay: 61.636 ms

Loss rate: 0.08%

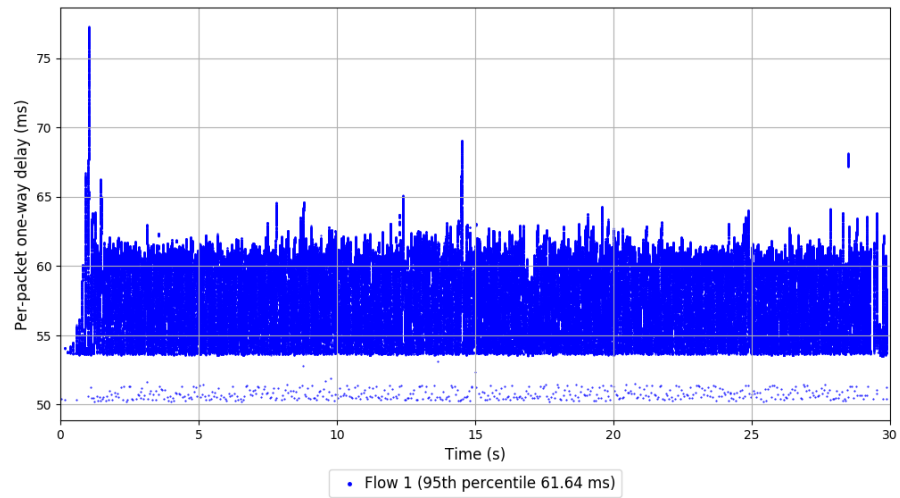
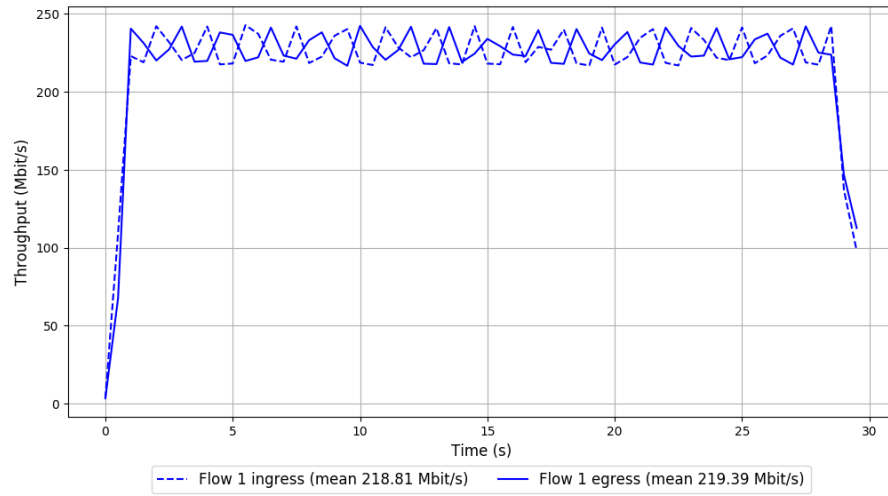
-- Flow 1:

Average throughput: 219.39 Mbit/s

95th percentile per-packet one-way delay: 61.636 ms

Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-27 14:48:37

End at: 2018-02-27 14:49:07

Below is generated by plot.py at 2018-02-27 19:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.02 Mbit/s

95th percentile per-packet one-way delay: 61.180 ms

Loss rate: 0.30%

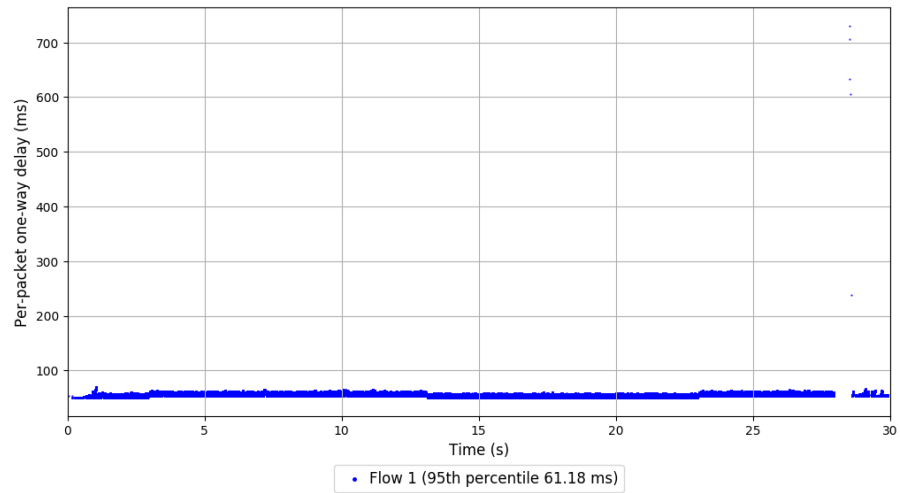
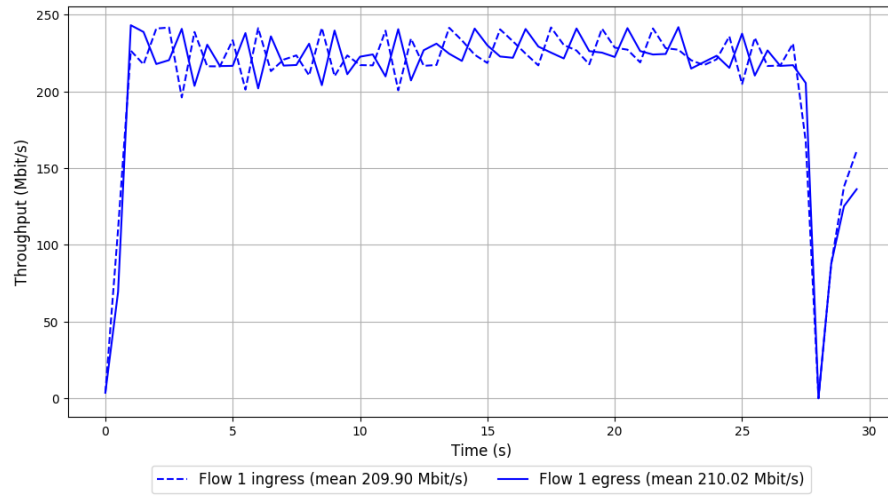
-- Flow 1:

Average throughput: 210.02 Mbit/s

95th percentile per-packet one-way delay: 61.180 ms

Loss rate: 0.30%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-27 15:03:39

End at: 2018-02-27 15:04:09

Below is generated by plot.py at 2018-02-27 19:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.30 Mbit/s

95th percentile per-packet one-way delay: 59.453 ms

Loss rate: 0.67%

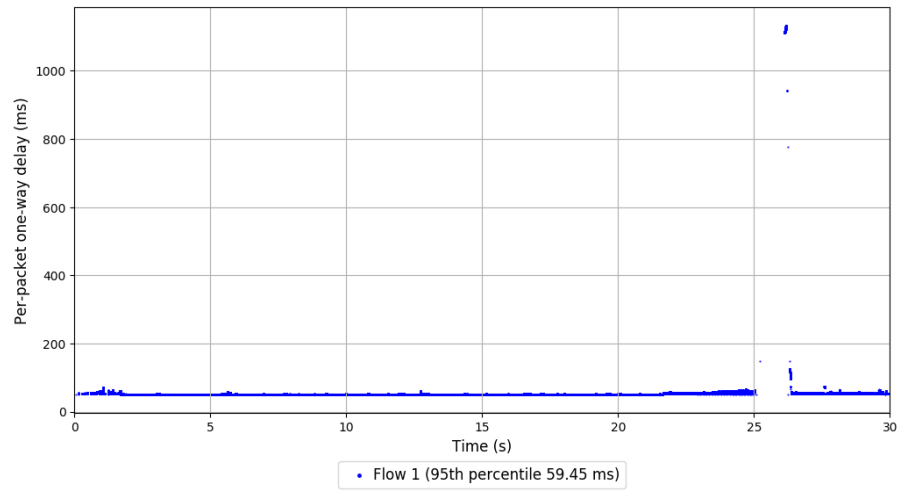
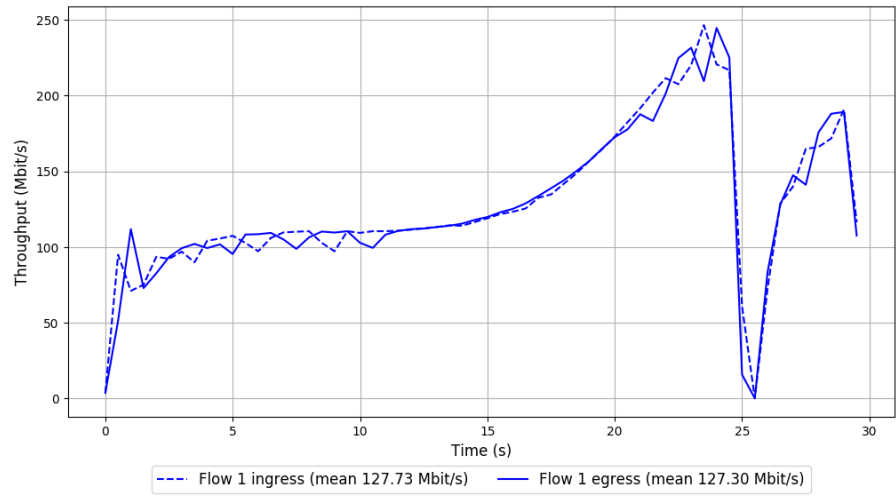
-- Flow 1:

Average throughput: 127.30 Mbit/s

95th percentile per-packet one-way delay: 59.453 ms

Loss rate: 0.67%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-27 15:18:06

End at: 2018-02-27 15:18:36

Below is generated by plot.py at 2018-02-27 19:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.36 Mbit/s

95th percentile per-packet one-way delay: 58.066 ms

Loss rate: 0.54%

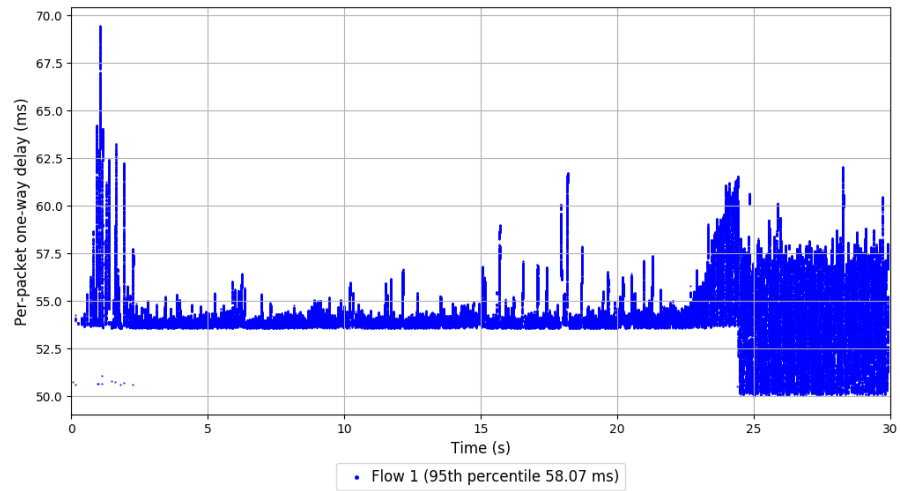
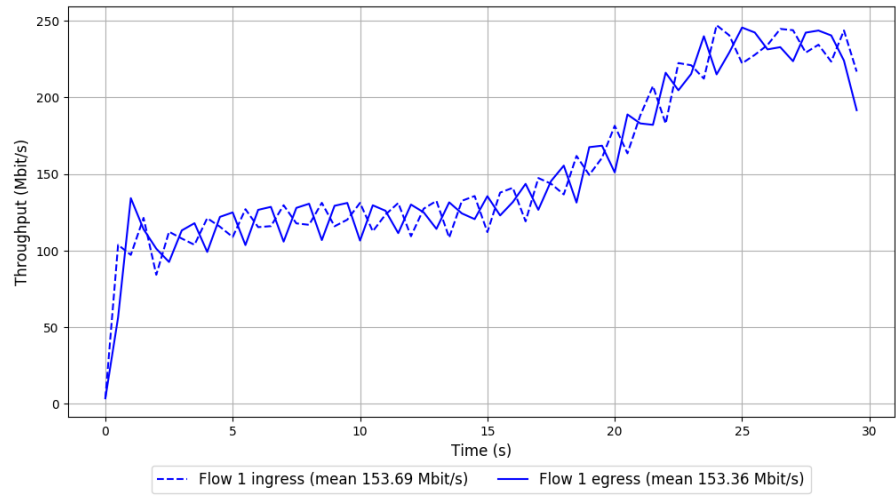
-- Flow 1:

Average throughput: 153.36 Mbit/s

95th percentile per-packet one-way delay: 58.066 ms

Loss rate: 0.54%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-27 15:32:55

End at: 2018-02-27 15:33:25

Below is generated by plot.py at 2018-02-27 19:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.64 Mbit/s

95th percentile per-packet one-way delay: 60.370 ms

Loss rate: 0.37%

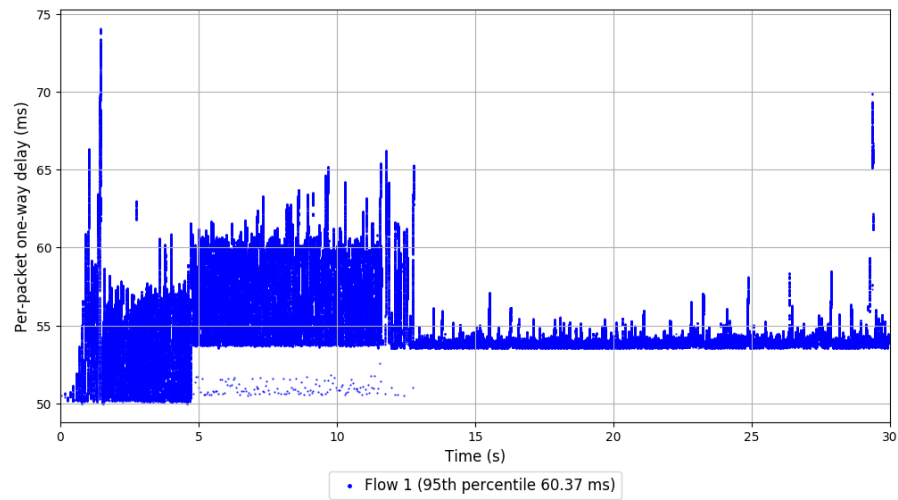
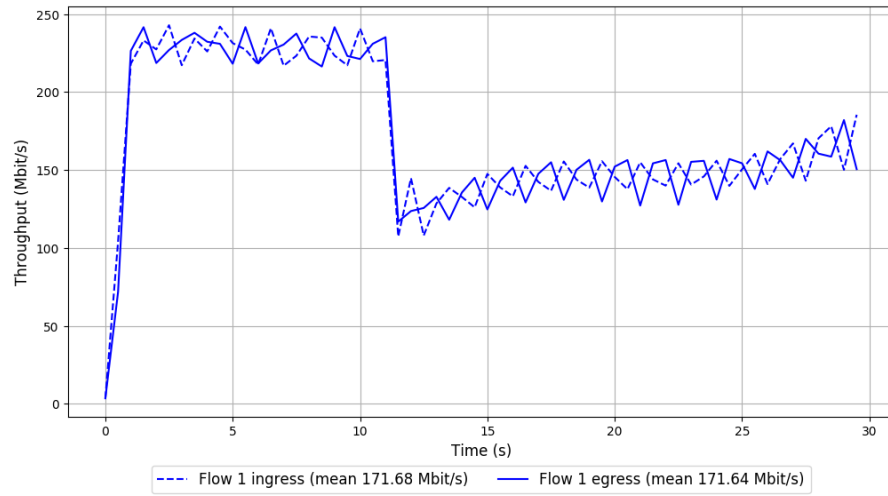
-- Flow 1:

Average throughput: 171.64 Mbit/s

95th percentile per-packet one-way delay: 60.370 ms

Loss rate: 0.37%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-27 15:47:46

End at: 2018-02-27 15:48:16

Below is generated by plot.py at 2018-02-27 19:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.76 Mbit/s

95th percentile per-packet one-way delay: 61.358 ms

Loss rate: 0.29%

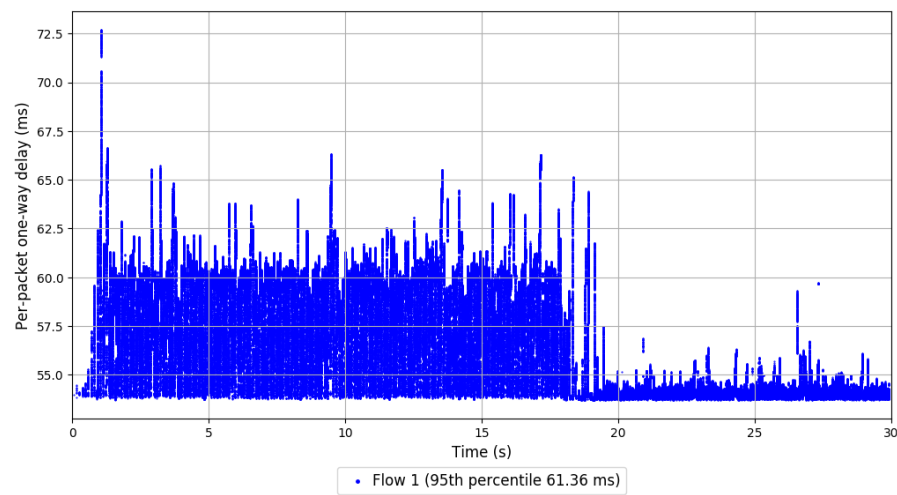
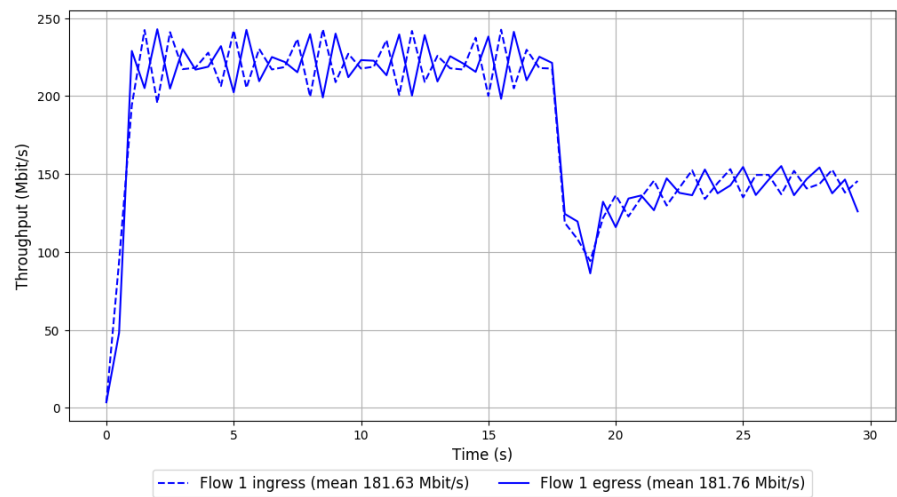
-- Flow 1:

Average throughput: 181.76 Mbit/s

95th percentile per-packet one-way delay: 61.358 ms

Loss rate: 0.29%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-27 16:02:38

End at: 2018-02-27 16:03:08

Below is generated by plot.py at 2018-02-27 19:44:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.28 Mbit/s

95th percentile per-packet one-way delay: 61.274 ms

Loss rate: 0.50%

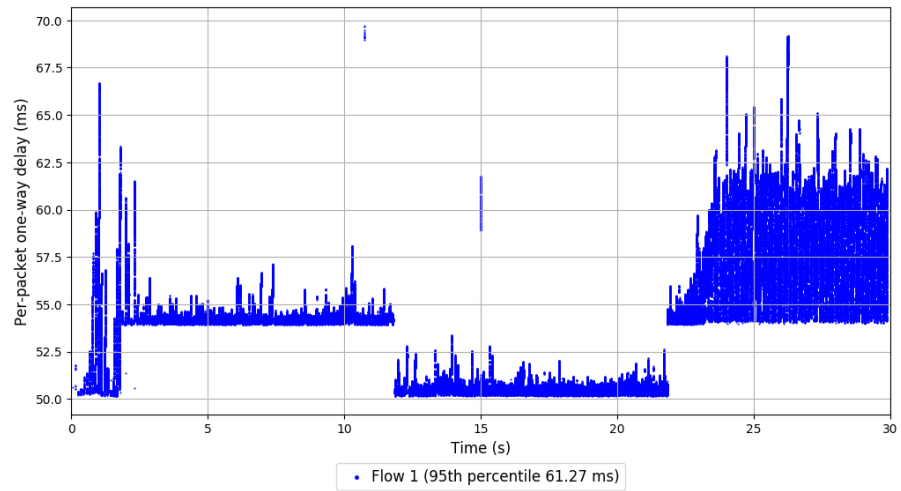
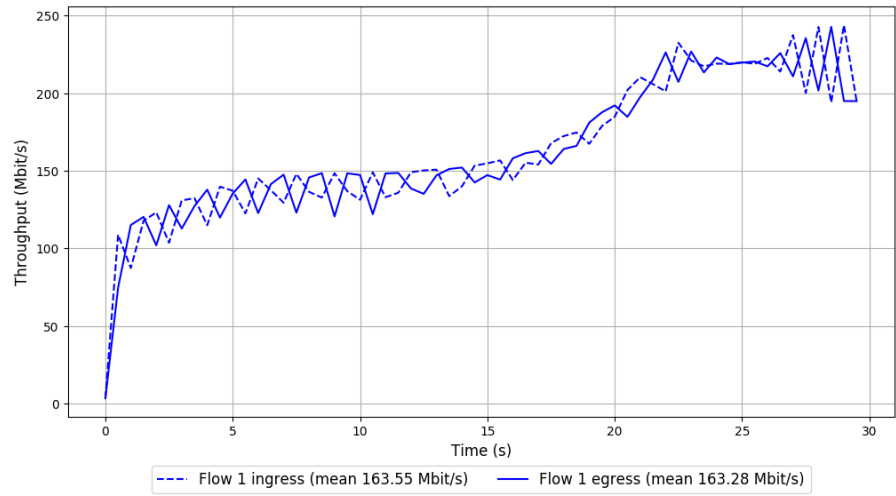
-- Flow 1:

Average throughput: 163.28 Mbit/s

95th percentile per-packet one-way delay: 61.274 ms

Loss rate: 0.50%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-27 16:17:14

End at: 2018-02-27 16:17:44

Below is generated by plot.py at 2018-02-27 19:44:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.42 Mbit/s

95th percentile per-packet one-way delay: 60.784 ms

Loss rate: 0.50%

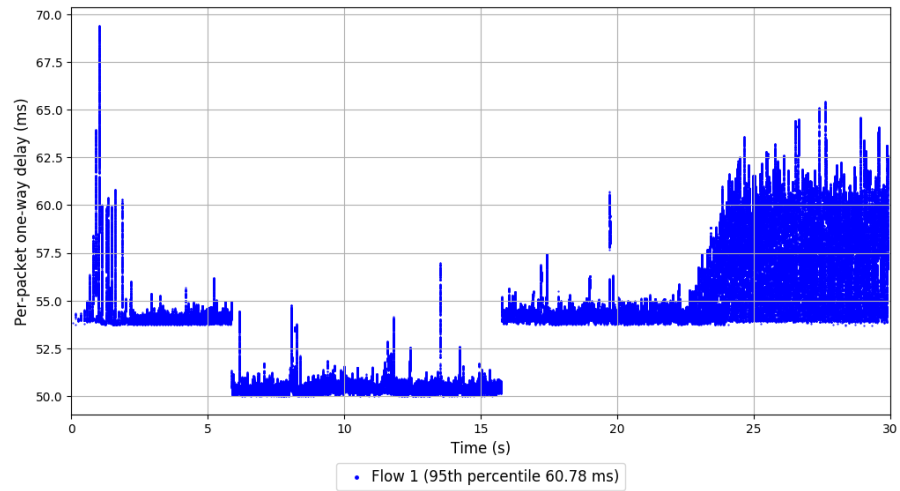
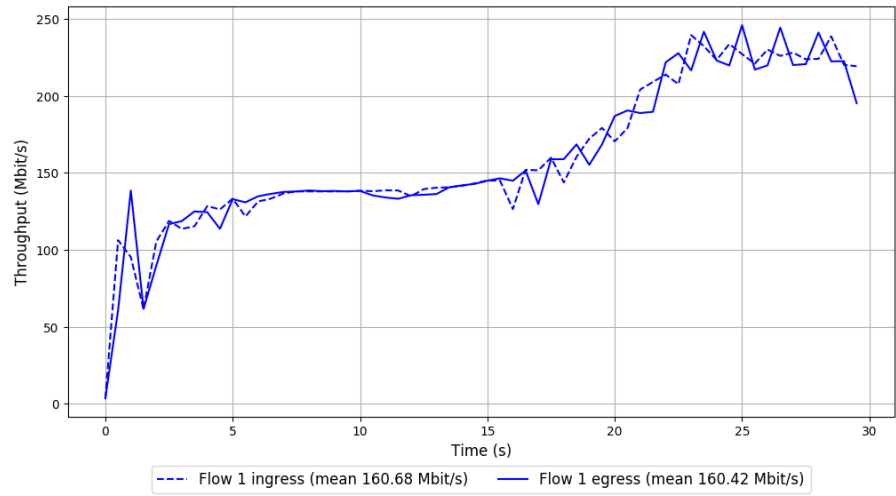
-- Flow 1:

Average throughput: 160.42 Mbit/s

95th percentile per-packet one-way delay: 60.784 ms

Loss rate: 0.50%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-27 16:32:13

End at: 2018-02-27 16:32:43

Below is generated by plot.py at 2018-02-27 19:44:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.31 Mbit/s

95th percentile per-packet one-way delay: 56.008 ms

Loss rate: 0.44%

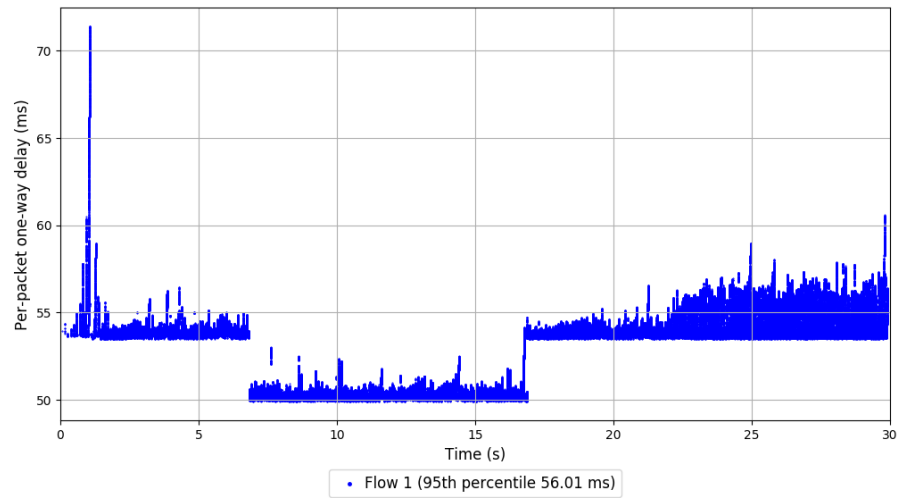
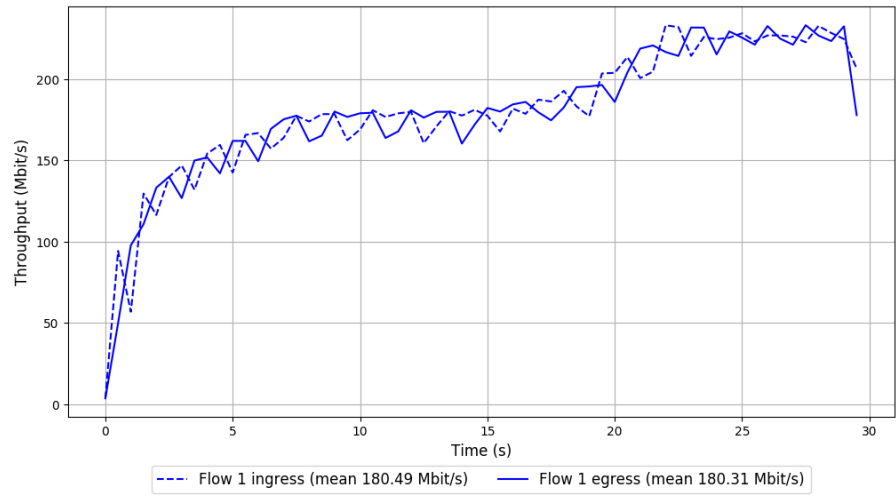
-- Flow 1:

Average throughput: 180.31 Mbit/s

95th percentile per-packet one-way delay: 56.008 ms

Loss rate: 0.44%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-27 16:46:37

End at: 2018-02-27 16:47:07

Below is generated by plot.py at 2018-02-27 19:44:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.59 Mbit/s

95th percentile per-packet one-way delay: 54.870 ms

Loss rate: 0.50%

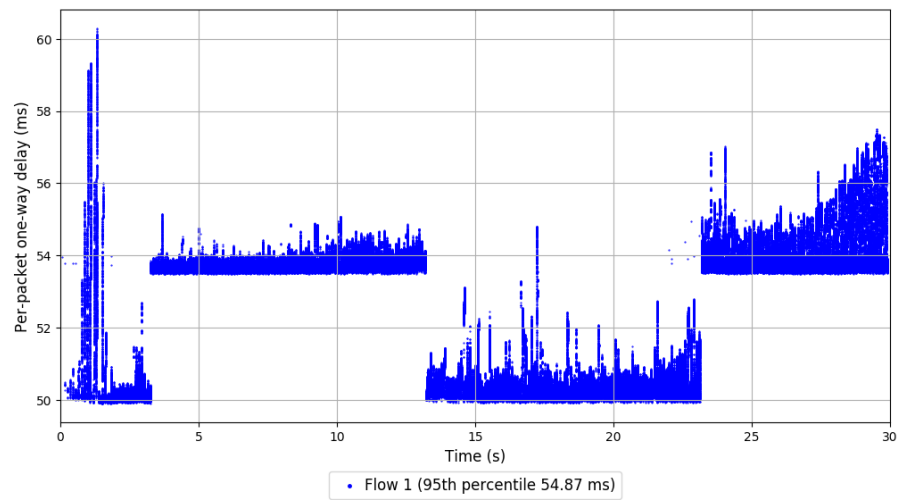
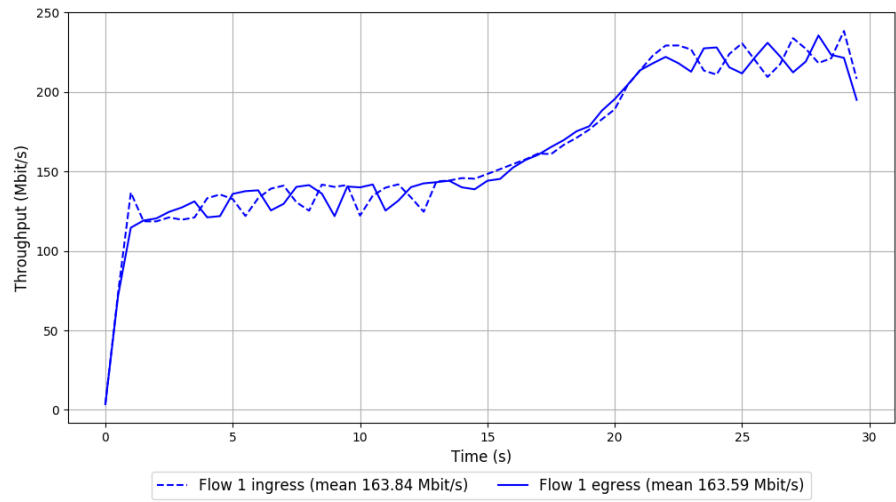
-- Flow 1:

Average throughput: 163.59 Mbit/s

95th percentile per-packet one-way delay: 54.870 ms

Loss rate: 0.50%

Run 10: Report of TCP Cubic — Data Link

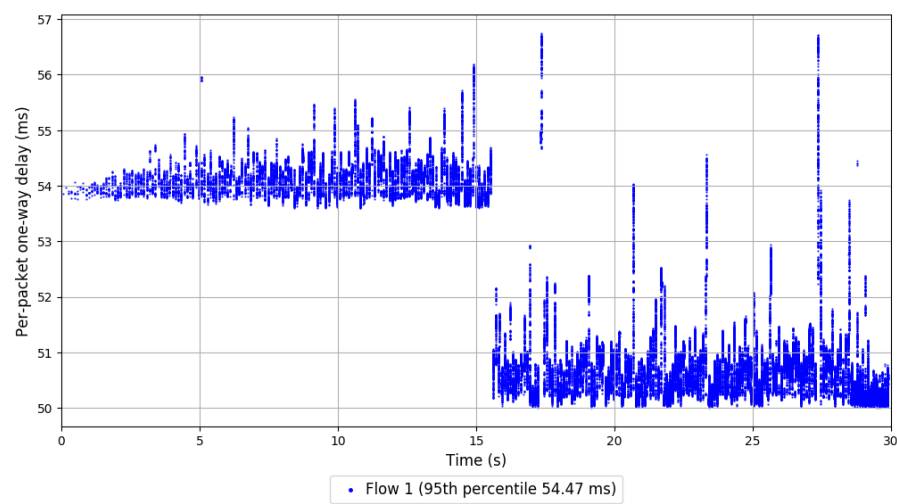
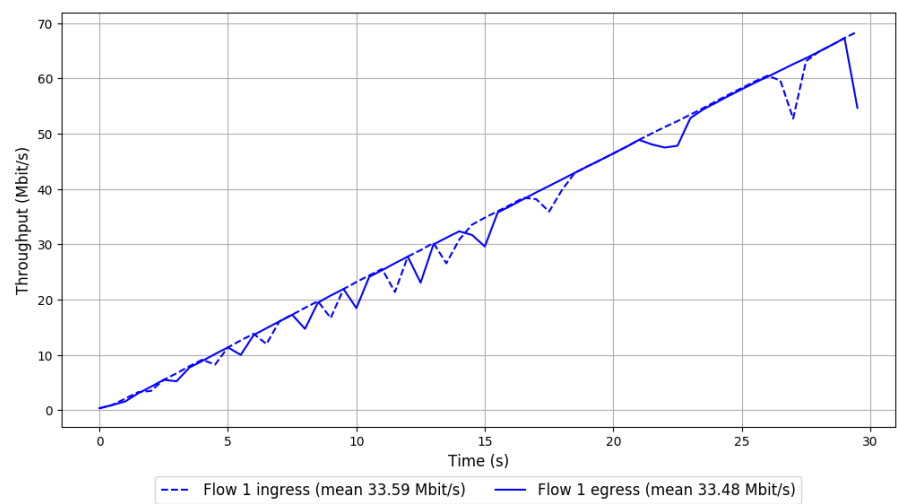


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-27 14:41:15
End at: 2018-02-27 14:41:45

# Below is generated by plot.py at 2018-02-27 19:44:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 54.466 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 54.466 ms
Loss rate: 0.69%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-27 14:56:21

End at: 2018-02-27 14:56:51

Below is generated by plot.py at 2018-02-27 19:44:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.31 Mbit/s

95th percentile per-packet one-way delay: 54.042 ms

Loss rate: 0.70%

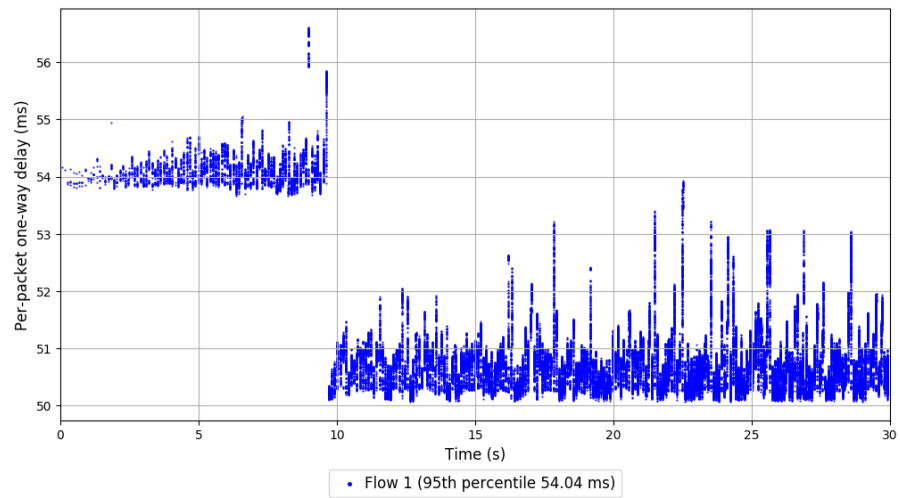
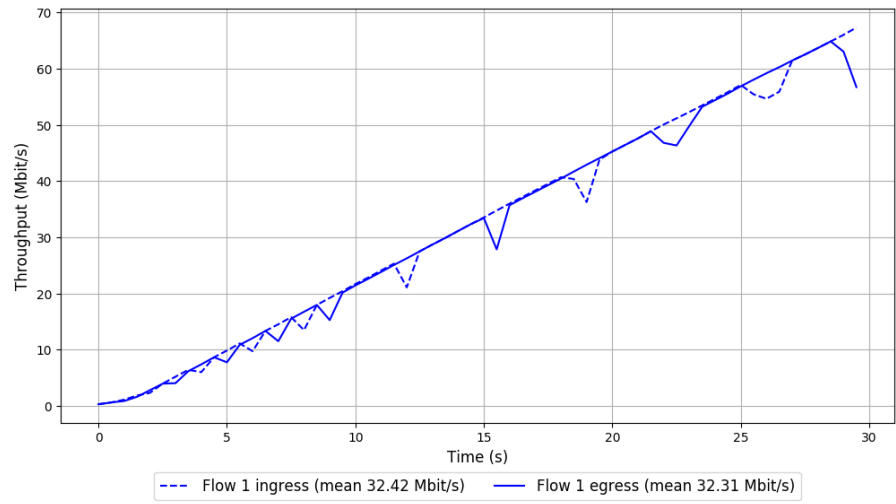
-- Flow 1:

Average throughput: 32.31 Mbit/s

95th percentile per-packet one-way delay: 54.042 ms

Loss rate: 0.70%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-27 15:10:57

End at: 2018-02-27 15:11:27

Below is generated by plot.py at 2018-02-27 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 55.055 ms

Loss rate: 0.71%

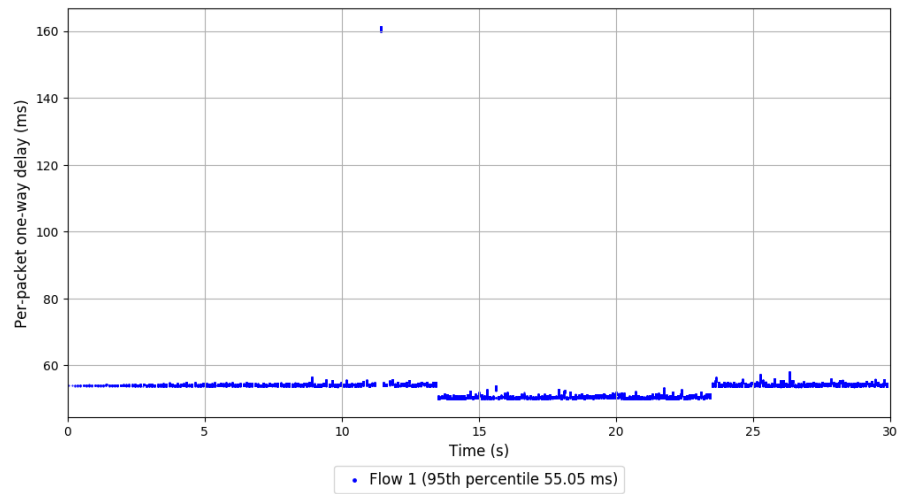
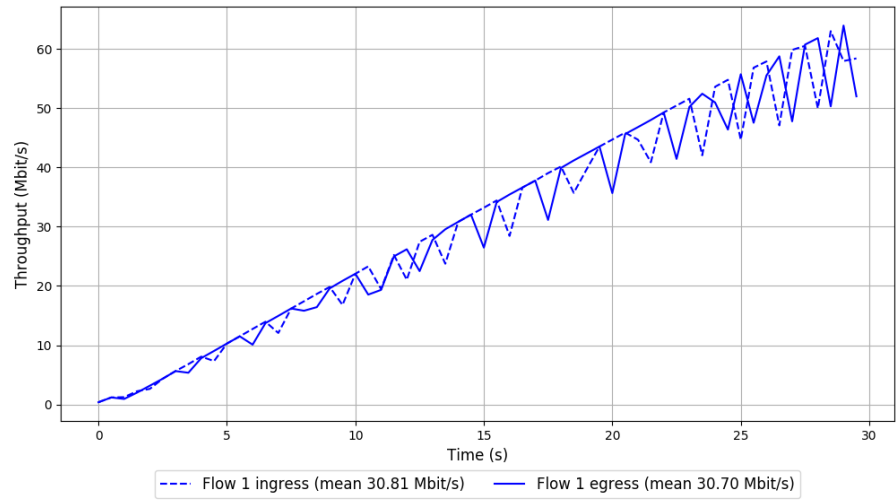
-- Flow 1:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 55.055 ms

Loss rate: 0.71%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-27 15:25:43

End at: 2018-02-27 15:26:13

Below is generated by plot.py at 2018-02-27 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 54.762 ms

Loss rate: 0.72%

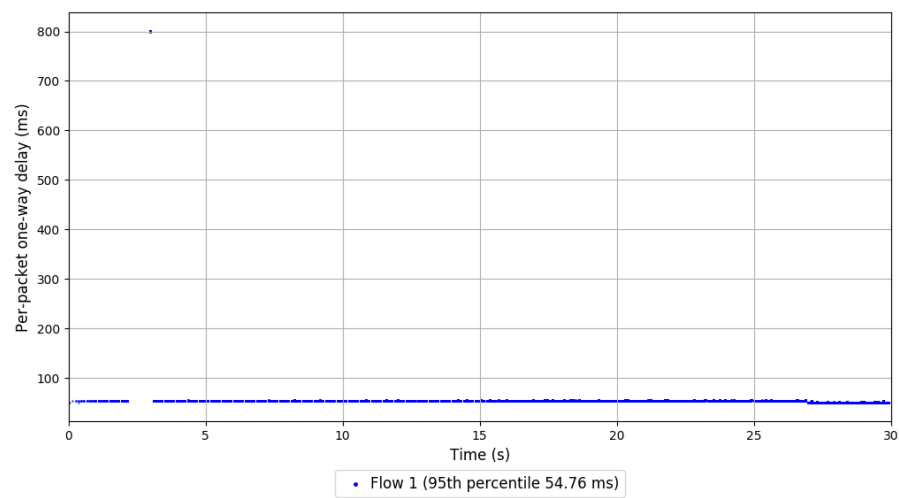
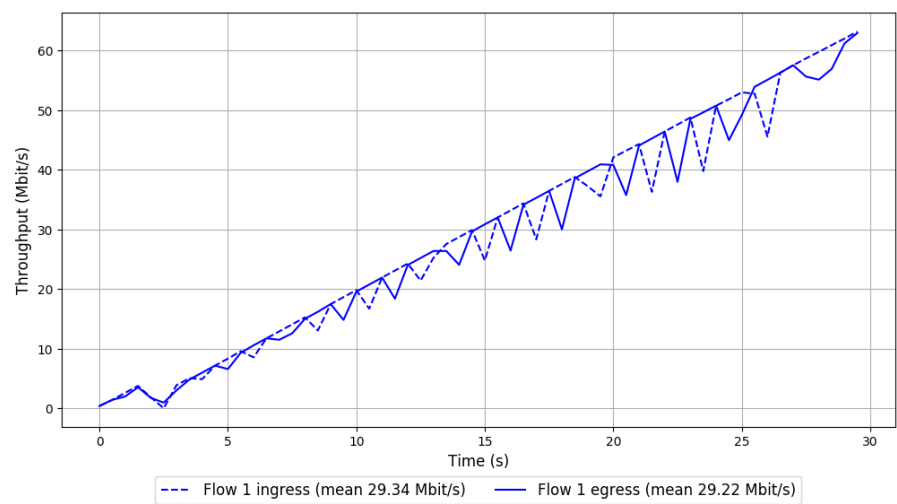
-- Flow 1:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 54.762 ms

Loss rate: 0.72%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-27 15:40:29

End at: 2018-02-27 15:40:59

Below is generated by plot.py at 2018-02-27 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.62 Mbit/s

95th percentile per-packet one-way delay: 55.095 ms

Loss rate: 0.71%

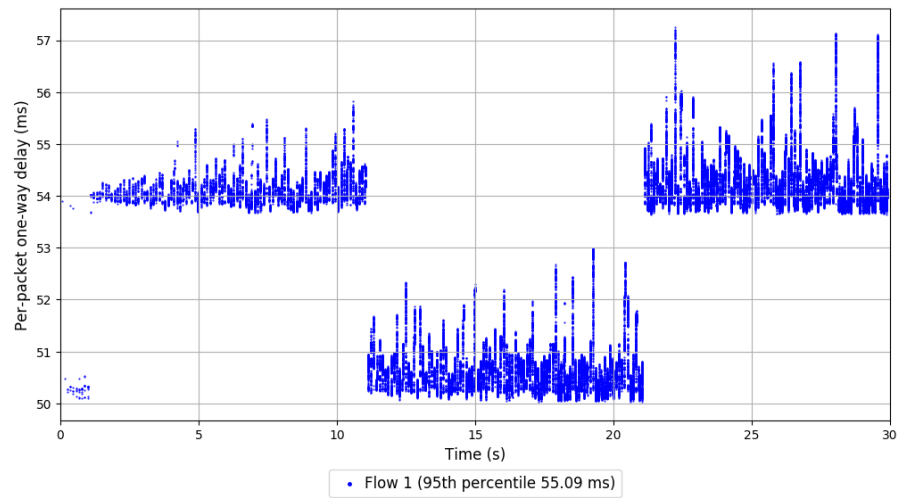
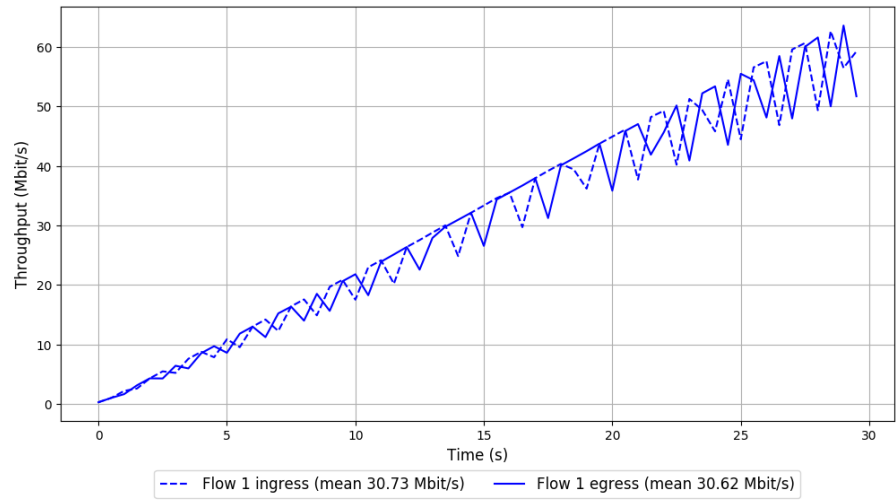
-- Flow 1:

Average throughput: 30.62 Mbit/s

95th percentile per-packet one-way delay: 55.095 ms

Loss rate: 0.71%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-27 15:55:19

End at: 2018-02-27 15:55:49

Below is generated by plot.py at 2018-02-27 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 55.612 ms

Loss rate: 0.69%

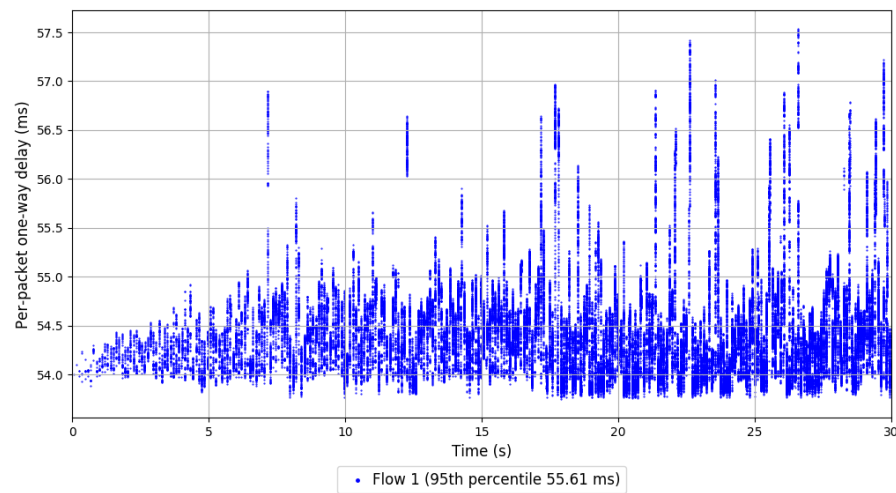
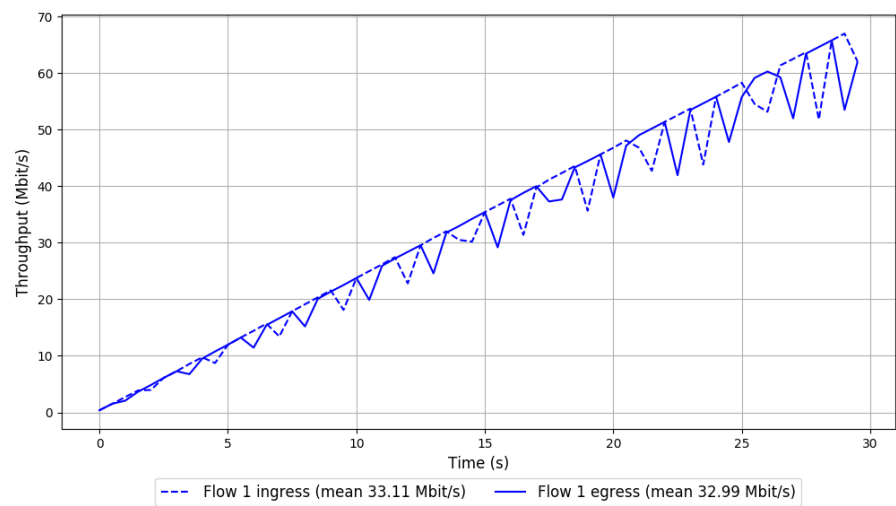
-- Flow 1:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 55.612 ms

Loss rate: 0.69%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-27 16:10:00

End at: 2018-02-27 16:10:30

Below is generated by plot.py at 2018-02-27 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 55.165 ms

Loss rate: 0.70%

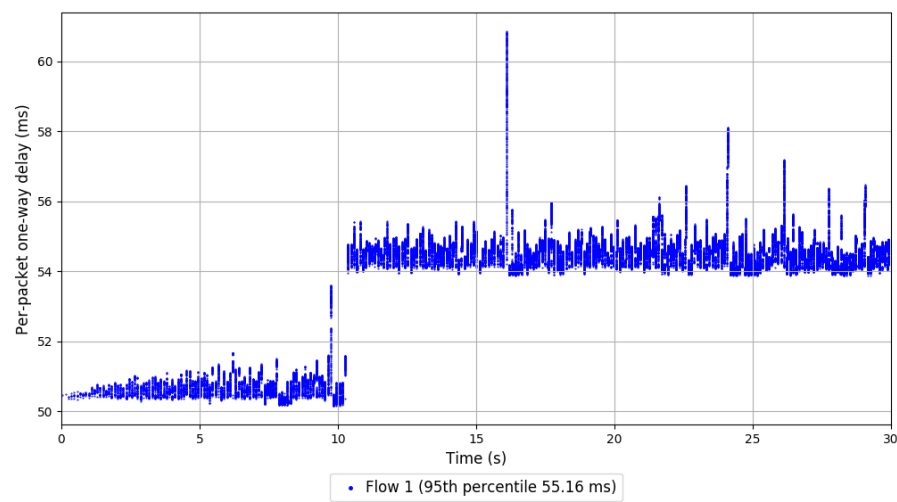
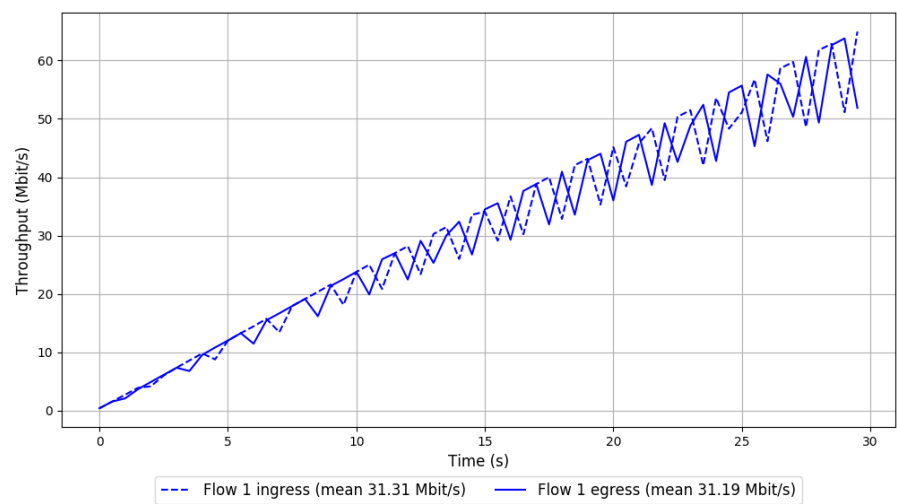
-- Flow 1:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 55.165 ms

Loss rate: 0.70%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-27 16:24:47

End at: 2018-02-27 16:25:17

Below is generated by plot.py at 2018-02-27 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.81 Mbit/s

95th percentile per-packet one-way delay: 54.985 ms

Loss rate: 0.69%

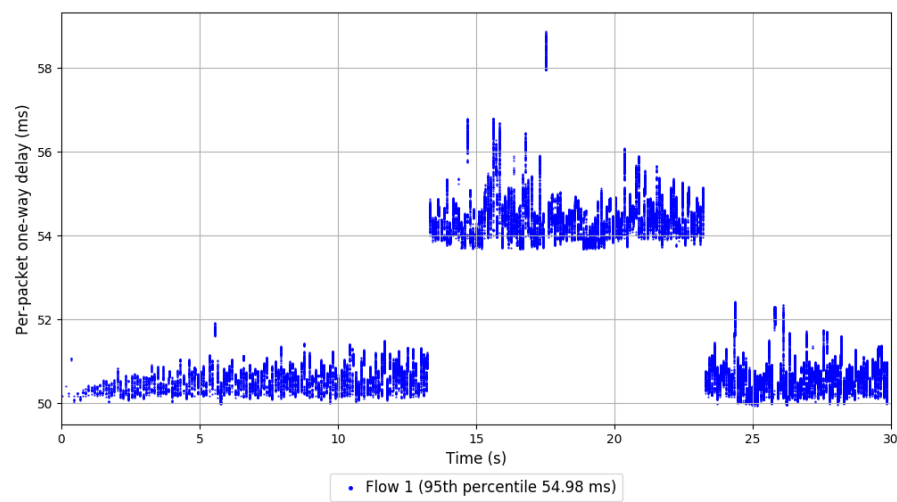
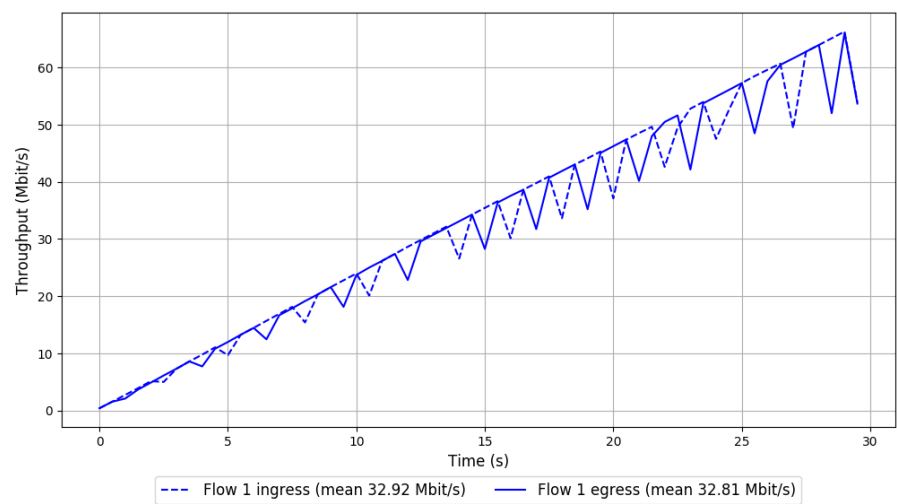
-- Flow 1:

Average throughput: 32.81 Mbit/s

95th percentile per-packet one-way delay: 54.985 ms

Loss rate: 0.69%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-27 16:39:21

End at: 2018-02-27 16:39:51

Below is generated by plot.py at 2018-02-27 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 54.753 ms

Loss rate: 0.35%

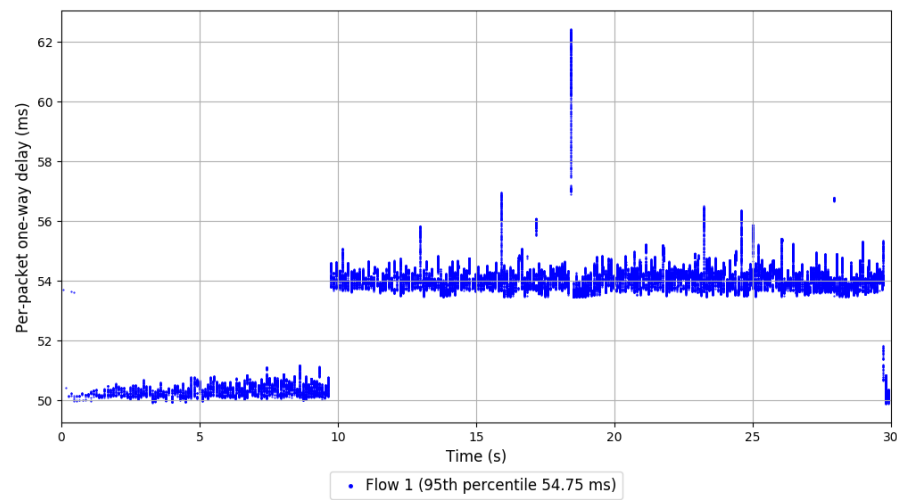
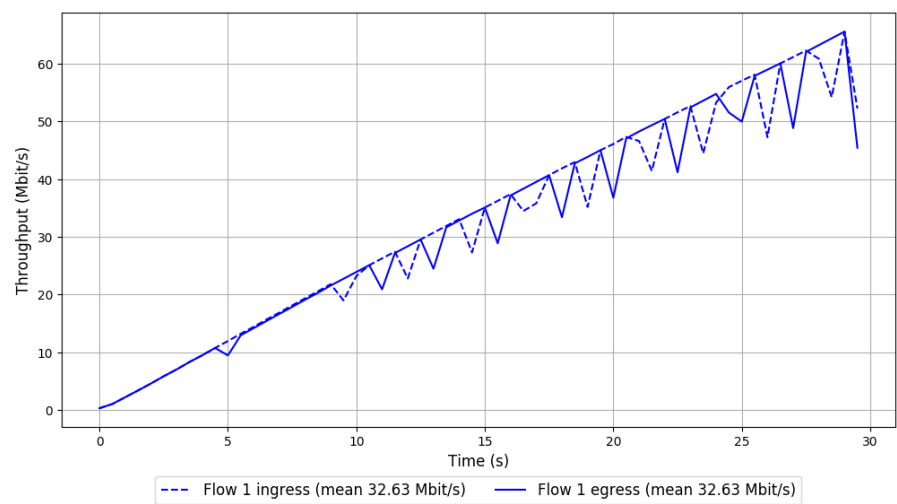
-- Flow 1:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 54.753 ms

Loss rate: 0.35%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-27 16:54:07

End at: 2018-02-27 16:54:37

Below is generated by plot.py at 2018-02-27 19:44:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.86 Mbit/s

95th percentile per-packet one-way delay: 54.346 ms

Loss rate: 0.69%

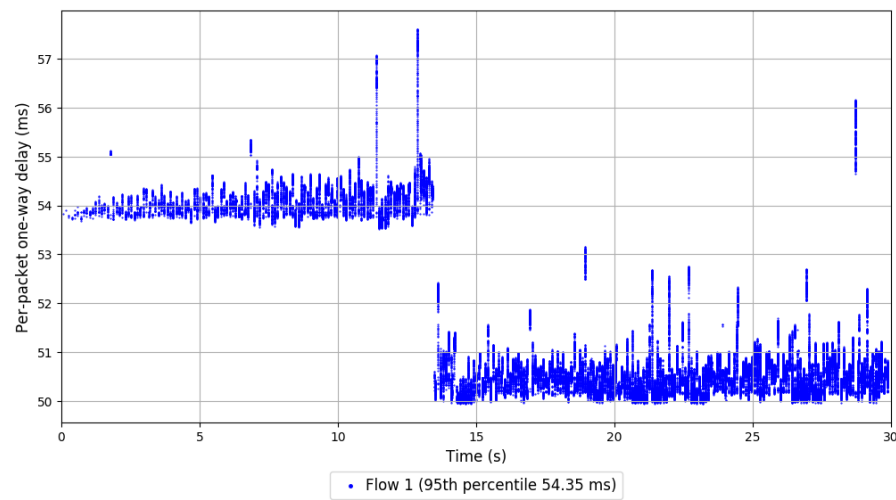
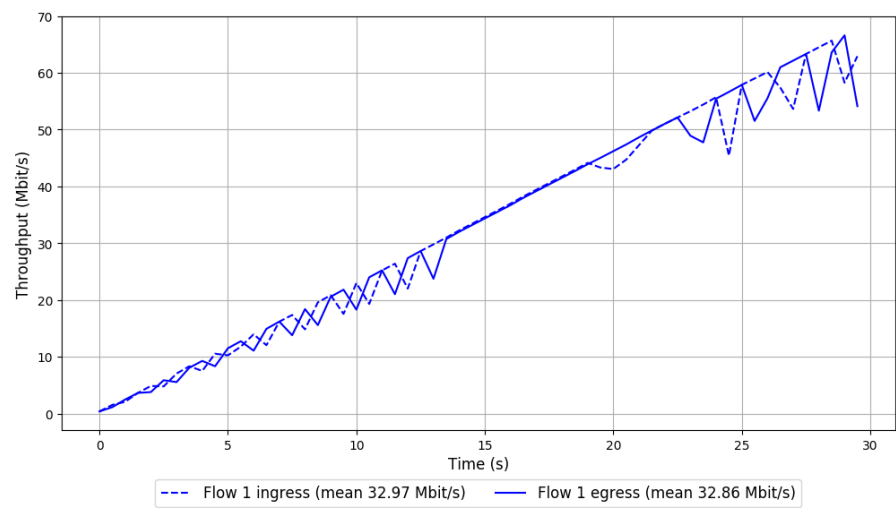
-- Flow 1:

Average throughput: 32.86 Mbit/s

95th percentile per-packet one-way delay: 54.346 ms

Loss rate: 0.69%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-02-27 14:43:18

End at: 2018-02-27 14:43:48

Below is generated by plot.py at 2018-02-27 19:49:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 378.34 Mbit/s

95th percentile per-packet one-way delay: 135.508 ms

Loss rate: 0.42%

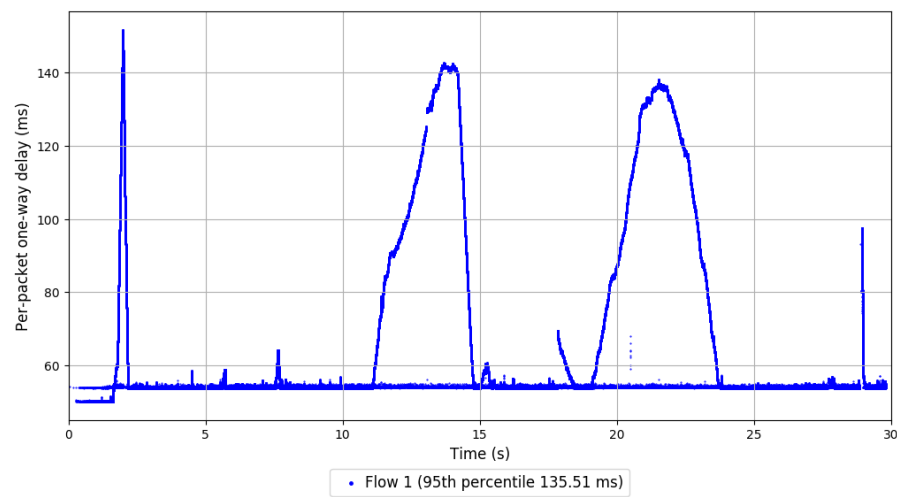
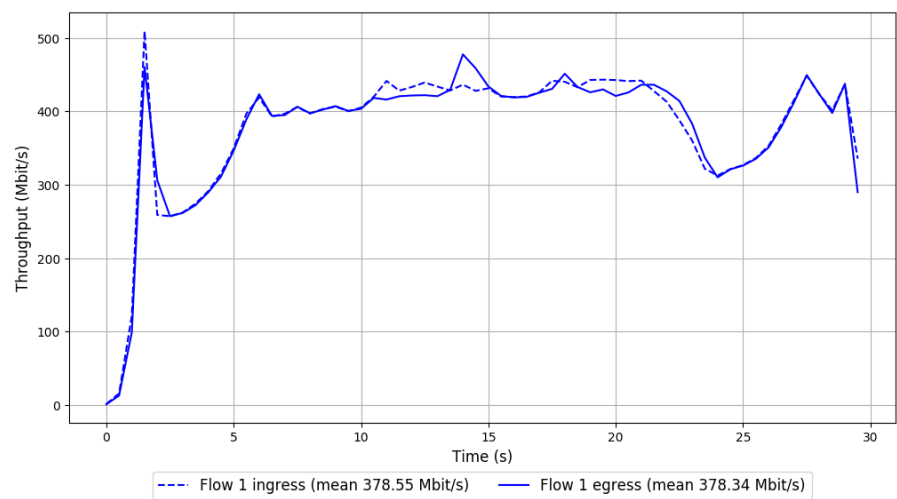
-- Flow 1:

Average throughput: 378.34 Mbit/s

95th percentile per-packet one-way delay: 135.508 ms

Loss rate: 0.42%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-27 14:58:24

End at: 2018-02-27 14:58:54

Below is generated by plot.py at 2018-02-27 19:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.39 Mbit/s

95th percentile per-packet one-way delay: 154.576 ms

Loss rate: 0.92%

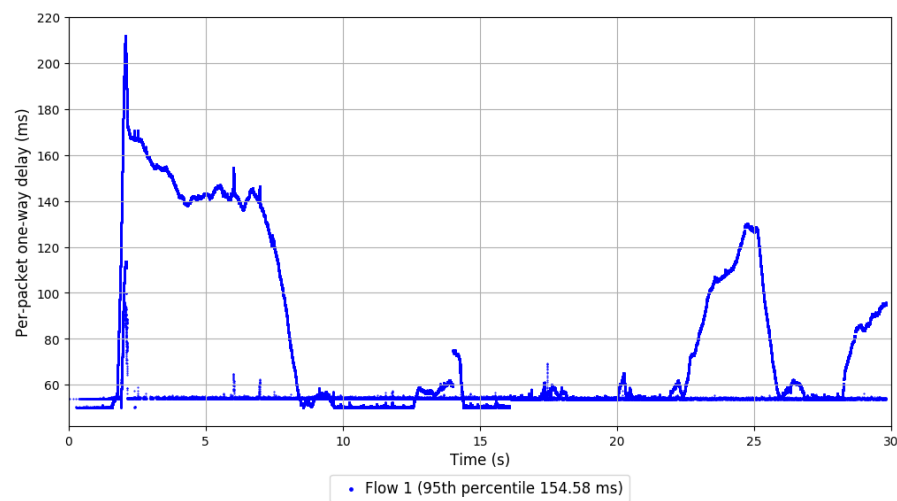
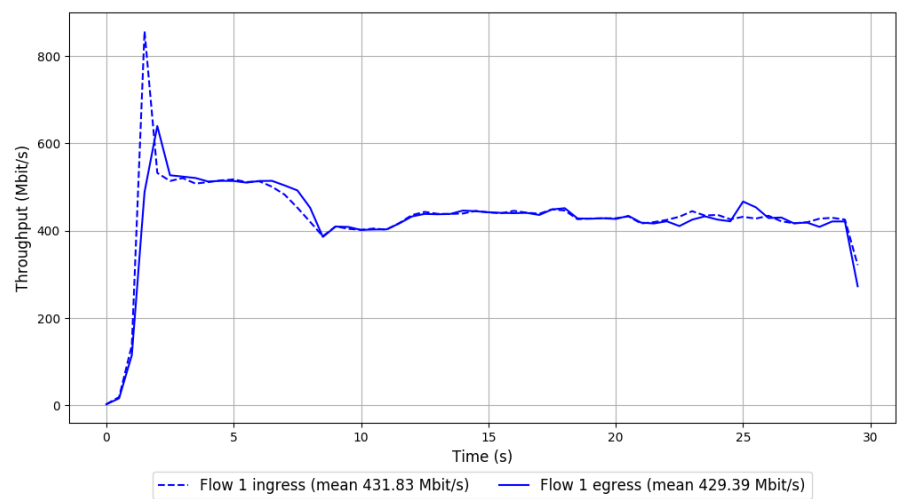
-- Flow 1:

Average throughput: 429.39 Mbit/s

95th percentile per-packet one-way delay: 154.576 ms

Loss rate: 0.92%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-27 15:13:00

End at: 2018-02-27 15:13:30

Below is generated by plot.py at 2018-02-27 19:51:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.89 Mbit/s

95th percentile per-packet one-way delay: 70.342 ms

Loss rate: 0.59%

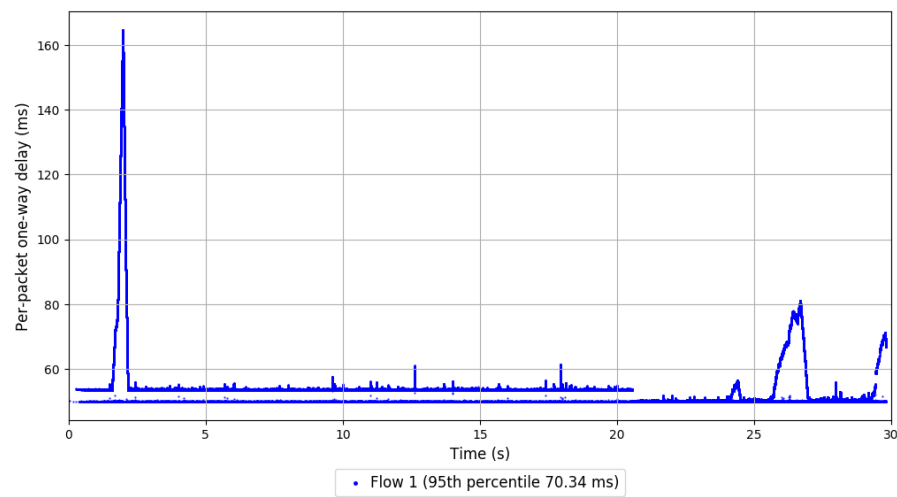
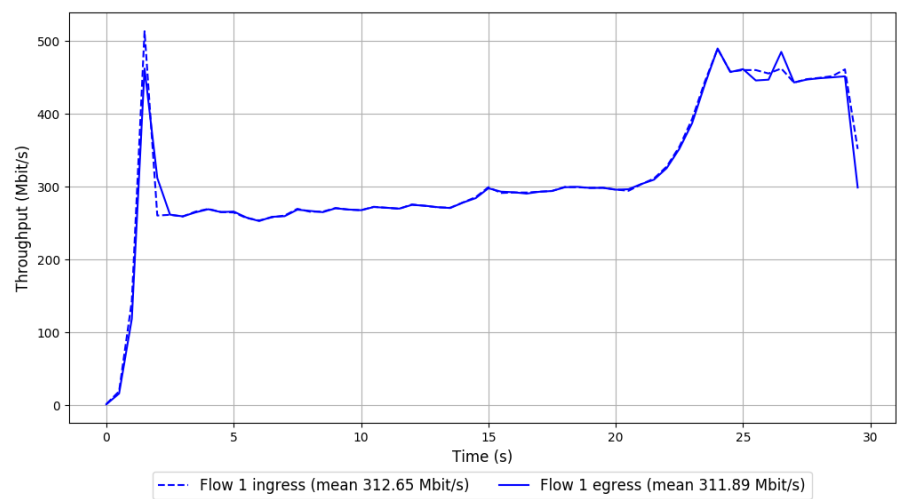
-- Flow 1:

Average throughput: 311.89 Mbit/s

95th percentile per-packet one-way delay: 70.342 ms

Loss rate: 0.59%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-27 15:27:46

End at: 2018-02-27 15:28:16

Below is generated by plot.py at 2018-02-27 19:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 446.00 Mbit/s

95th percentile per-packet one-way delay: 125.098 ms

Loss rate: 0.78%

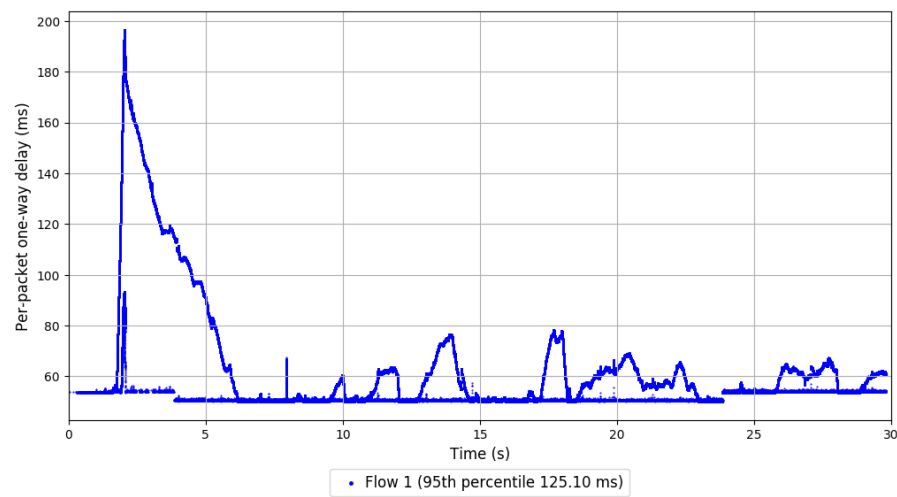
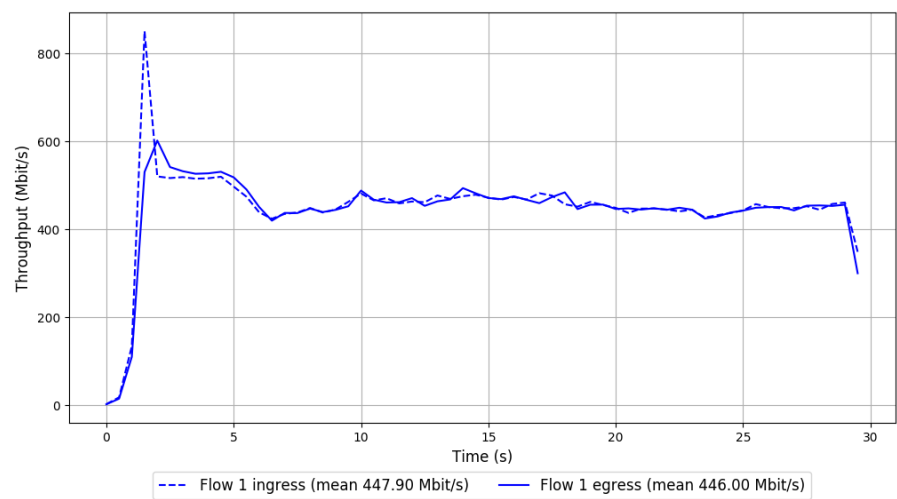
-- Flow 1:

Average throughput: 446.00 Mbit/s

95th percentile per-packet one-way delay: 125.098 ms

Loss rate: 0.78%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-27 15:42:32

End at: 2018-02-27 15:43:02

Below is generated by plot.py at 2018-02-27 19:51:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 460.39 Mbit/s

95th percentile per-packet one-way delay: 154.387 ms

Loss rate: 0.67%

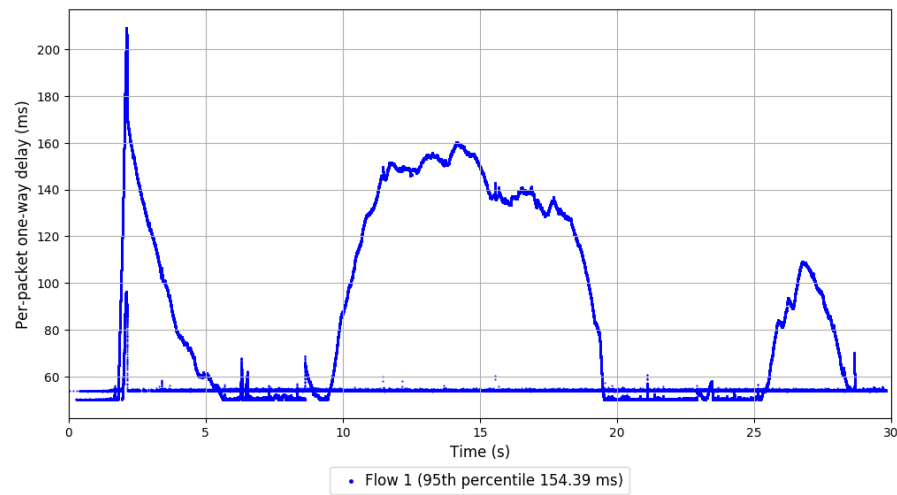
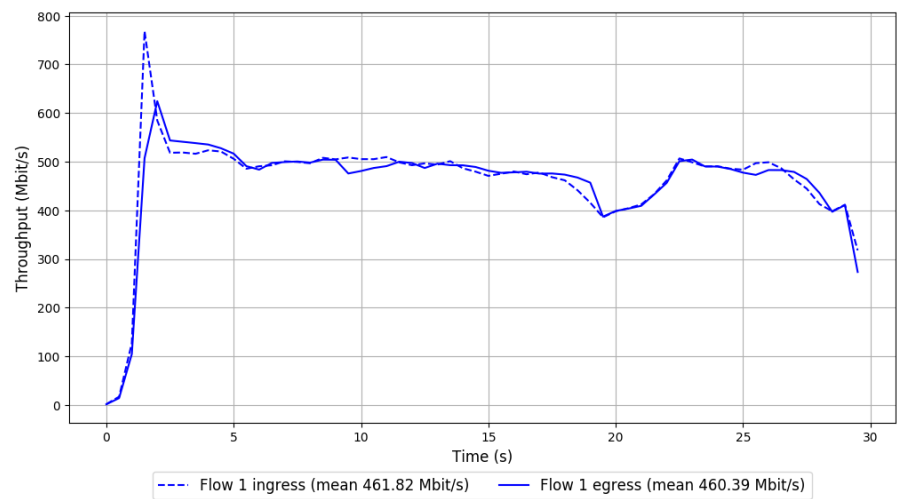
-- Flow 1:

Average throughput: 460.39 Mbit/s

95th percentile per-packet one-way delay: 154.387 ms

Loss rate: 0.67%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-27 15:57:23

End at: 2018-02-27 15:57:53

Below is generated by plot.py at 2018-02-27 19:52:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 475.07 Mbit/s

95th percentile per-packet one-way delay: 156.662 ms

Loss rate: 0.69%

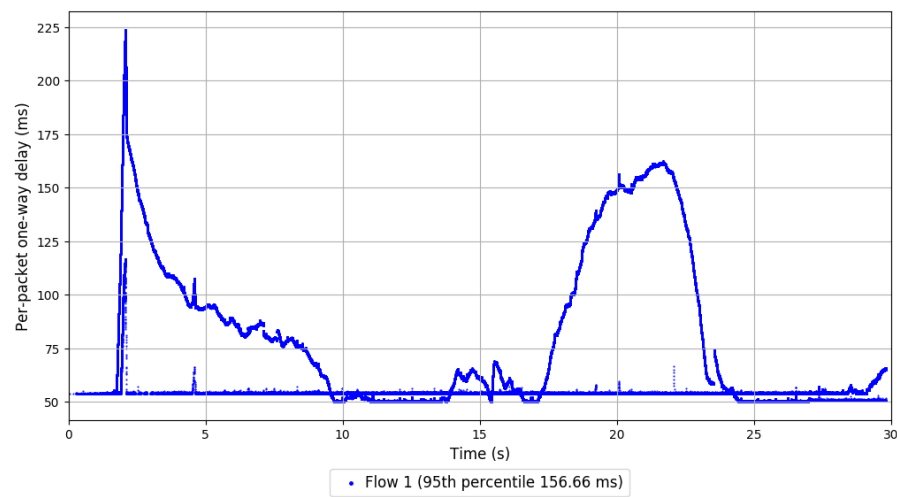
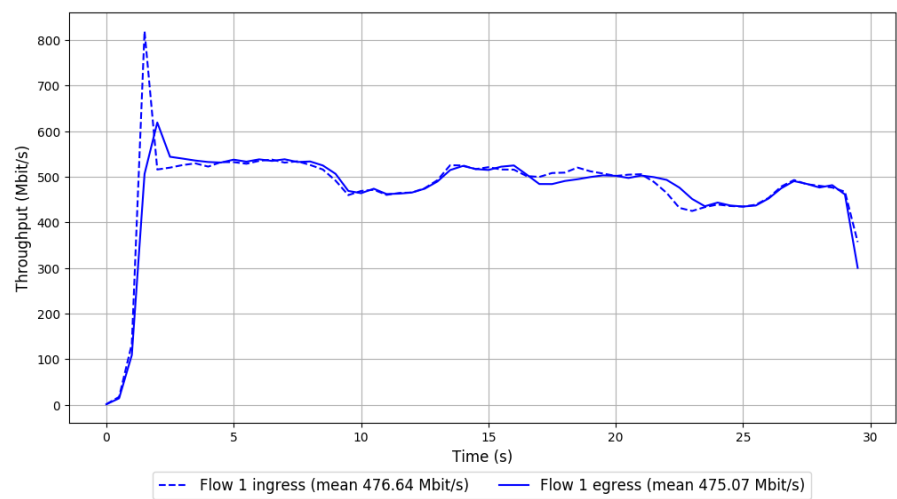
-- Flow 1:

Average throughput: 475.07 Mbit/s

95th percentile per-packet one-way delay: 156.662 ms

Loss rate: 0.69%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-27 16:12:03

End at: 2018-02-27 16:12:33

Below is generated by plot.py at 2018-02-27 19:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.00 Mbit/s

95th percentile per-packet one-way delay: 140.244 ms

Loss rate: 0.68%

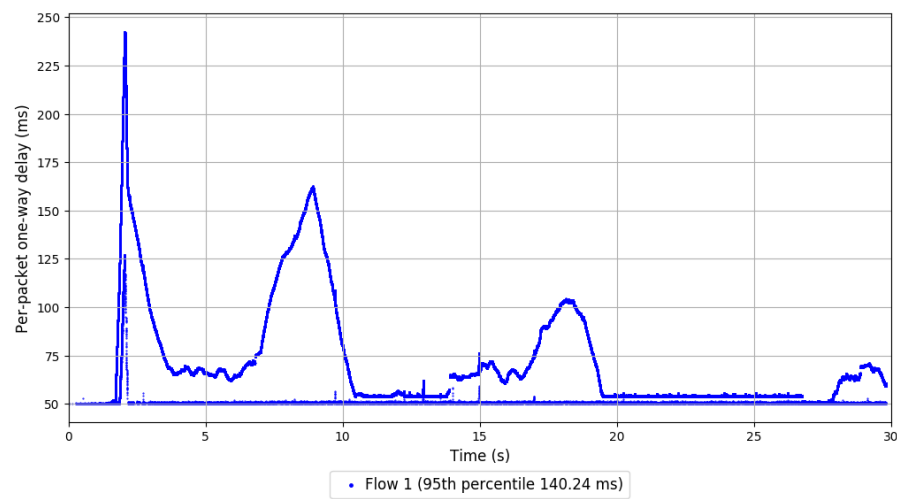
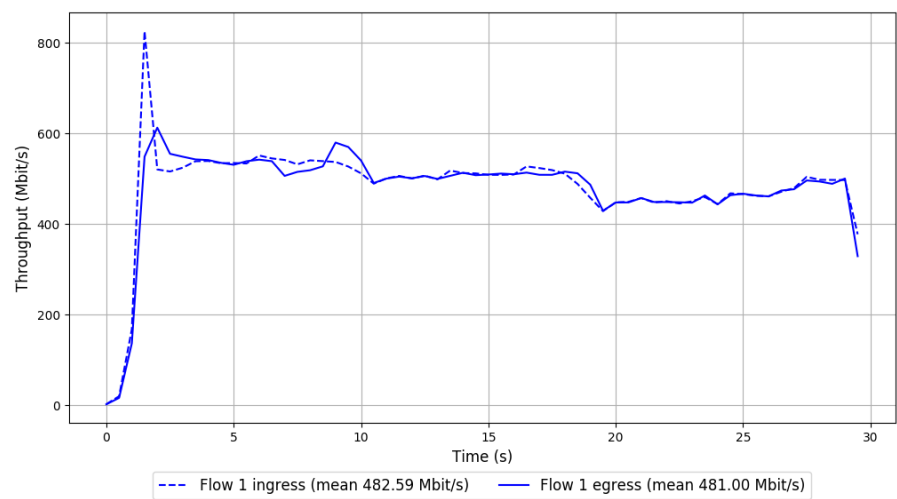
-- Flow 1:

Average throughput: 481.00 Mbit/s

95th percentile per-packet one-way delay: 140.244 ms

Loss rate: 0.68%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-27 16:26:50

End at: 2018-02-27 16:27:20

Below is generated by plot.py at 2018-02-27 19:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.52 Mbit/s

95th percentile per-packet one-way delay: 175.544 ms

Loss rate: 0.89%

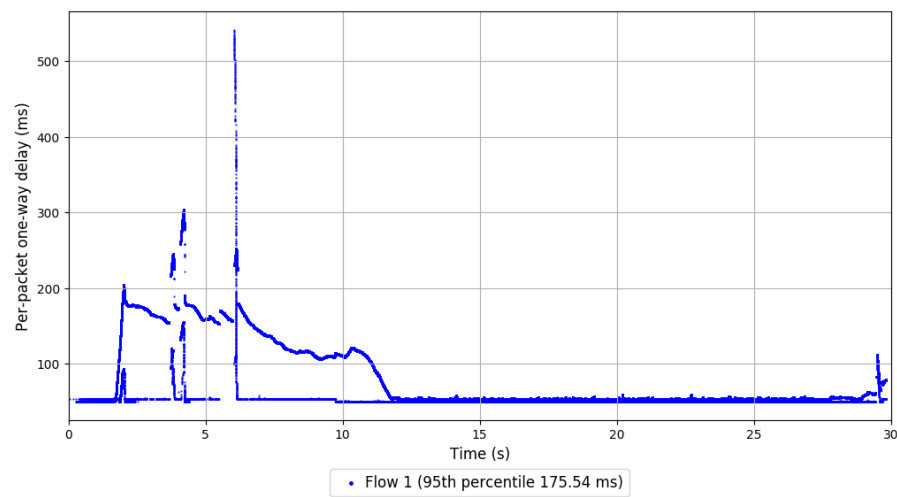
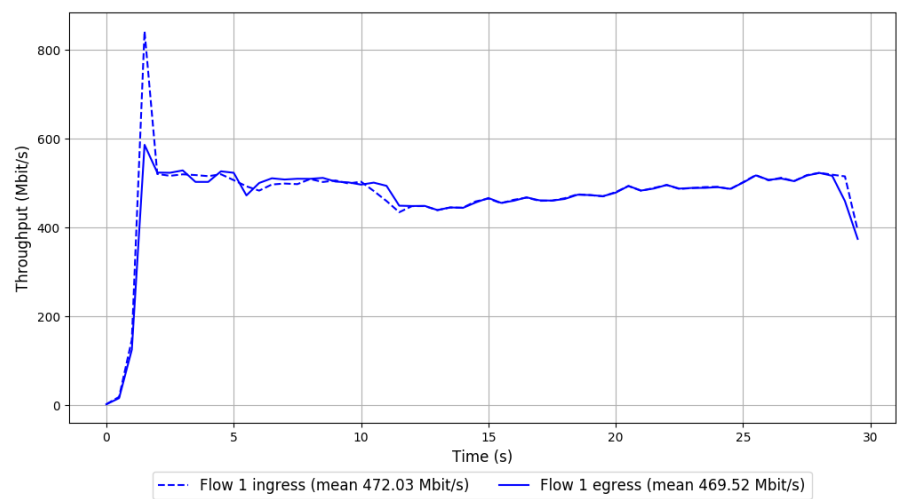
-- Flow 1:

Average throughput: 469.52 Mbit/s

95th percentile per-packet one-way delay: 175.544 ms

Loss rate: 0.89%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-27 16:41:24

End at: 2018-02-27 16:41:54

Below is generated by plot.py at 2018-02-27 19:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 491.83 Mbit/s

95th percentile per-packet one-way delay: 141.303 ms

Loss rate: 0.66%

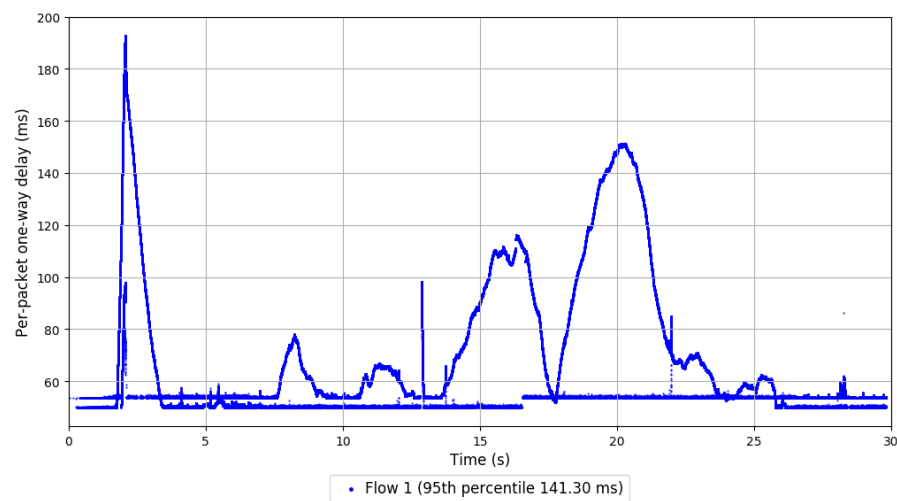
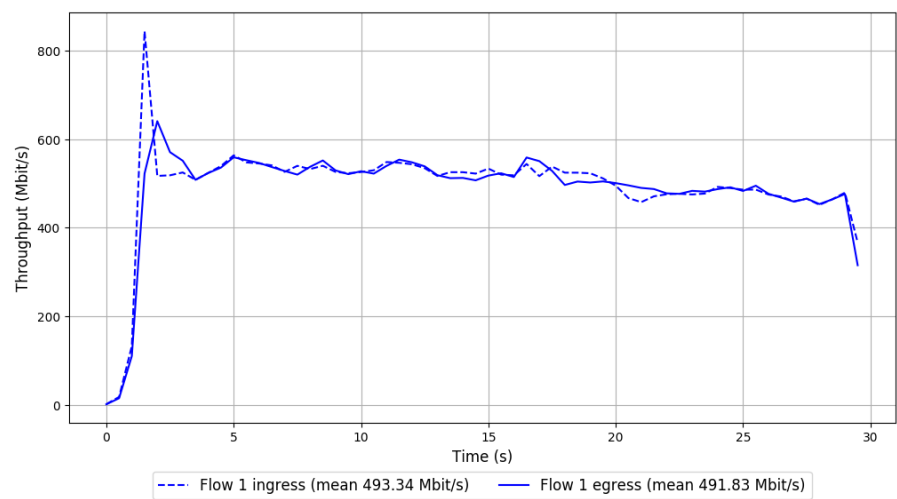
-- Flow 1:

Average throughput: 491.83 Mbit/s

95th percentile per-packet one-way delay: 141.303 ms

Loss rate: 0.66%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-27 16:56:10

End at: 2018-02-27 16:56:40

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.24 Mbit/s

95th percentile per-packet one-way delay: 137.673 ms

Loss rate: 0.62%

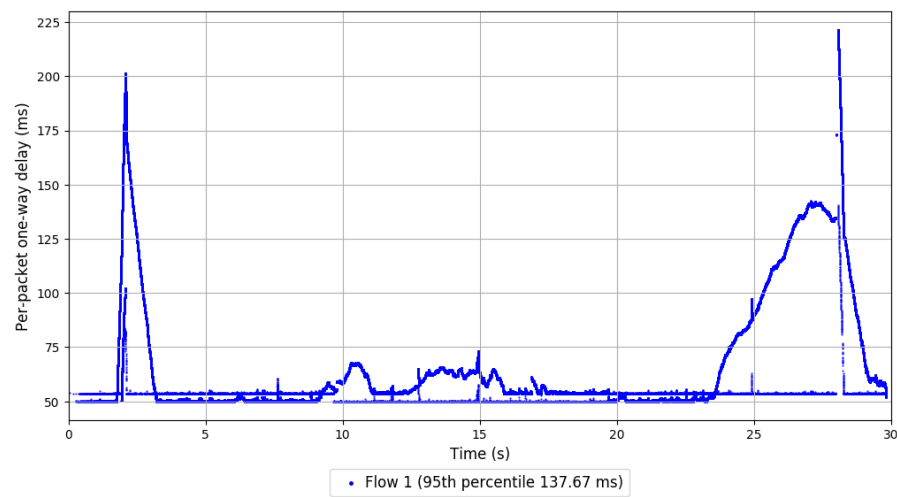
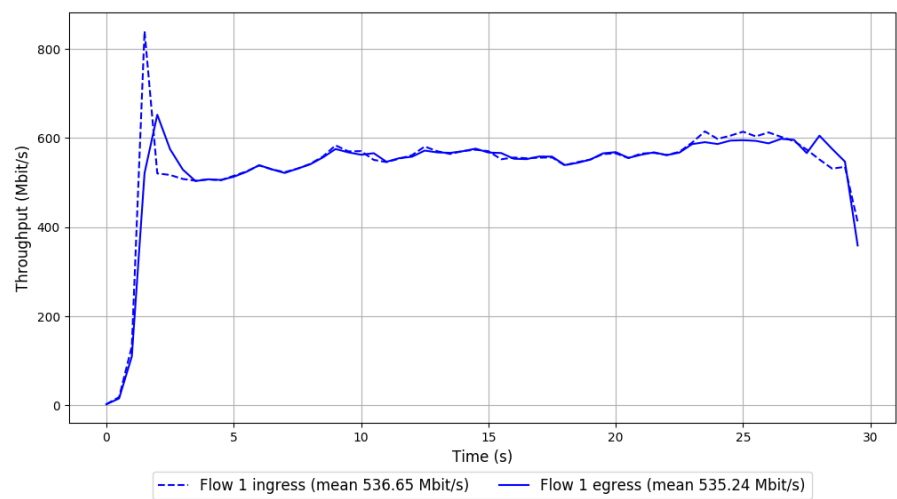
-- Flow 1:

Average throughput: 535.24 Mbit/s

95th percentile per-packet one-way delay: 137.673 ms

Loss rate: 0.62%

Run 10: Report of PCC — Data Link

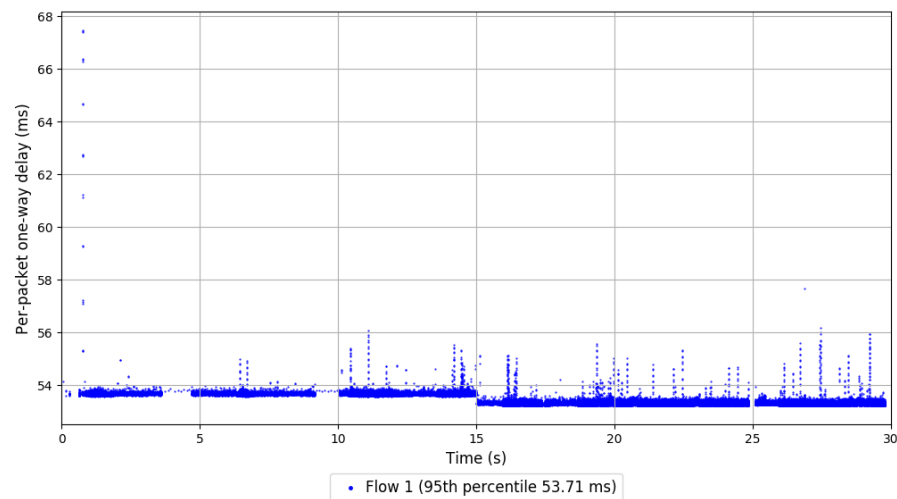
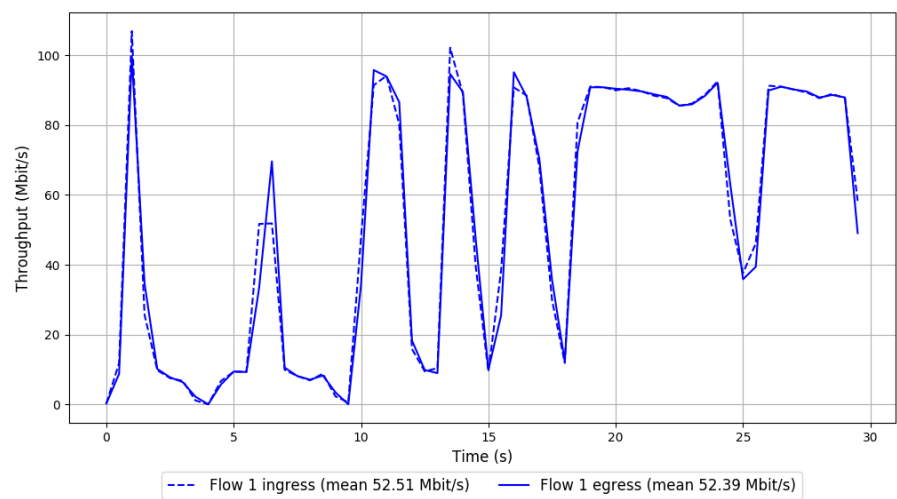


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-27 14:40:35
End at: 2018-02-27 14:41:05

# Below is generated by plot.py at 2018-02-27 19:59:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 53.711 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 53.711 ms
Loss rate: 0.59%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-27 14:55:41

End at: 2018-02-27 14:56:11

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 53.912 ms

Loss rate: 0.50%

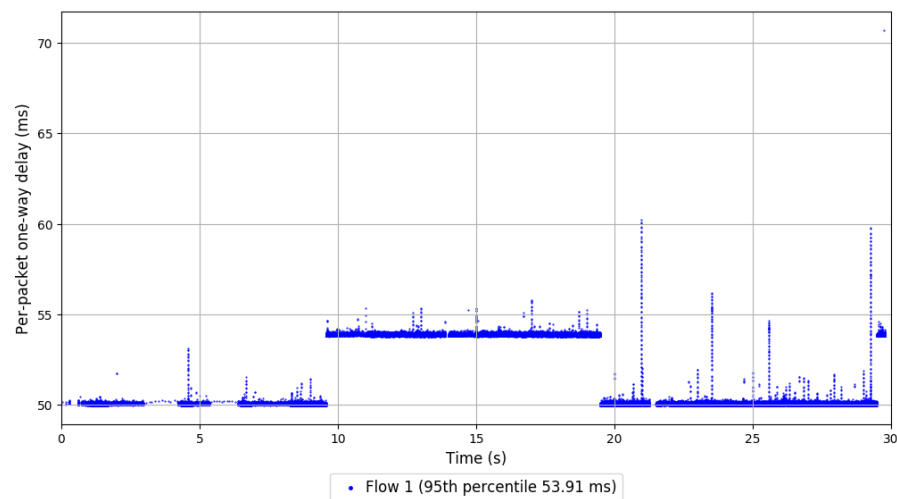
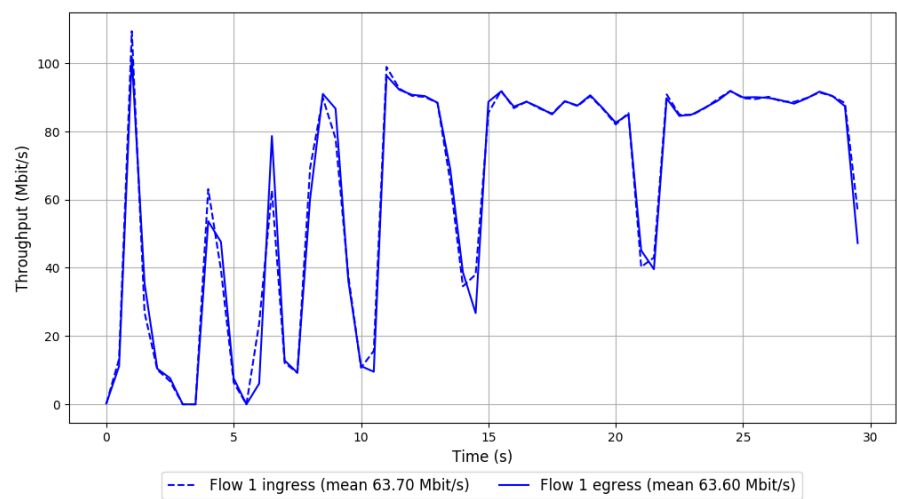
-- Flow 1:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 53.912 ms

Loss rate: 0.50%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-27 15:10:17

End at: 2018-02-27 15:10:47

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 53.730 ms

Loss rate: 0.52%

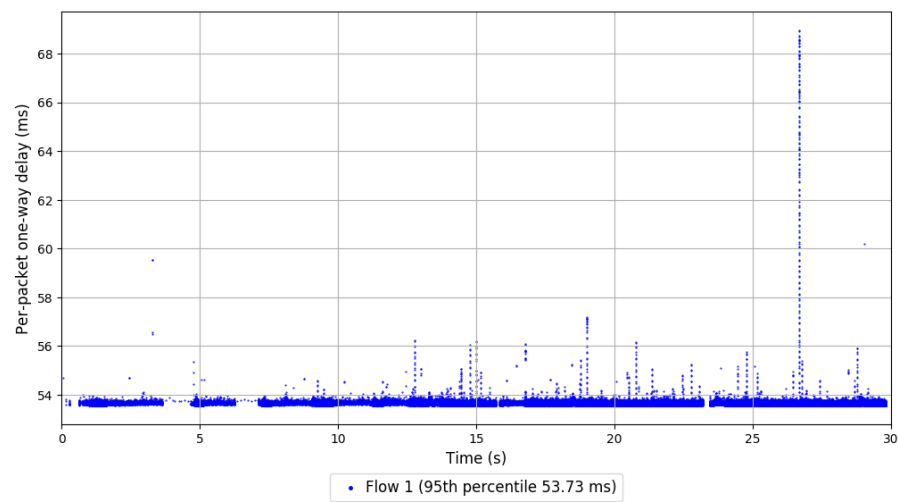
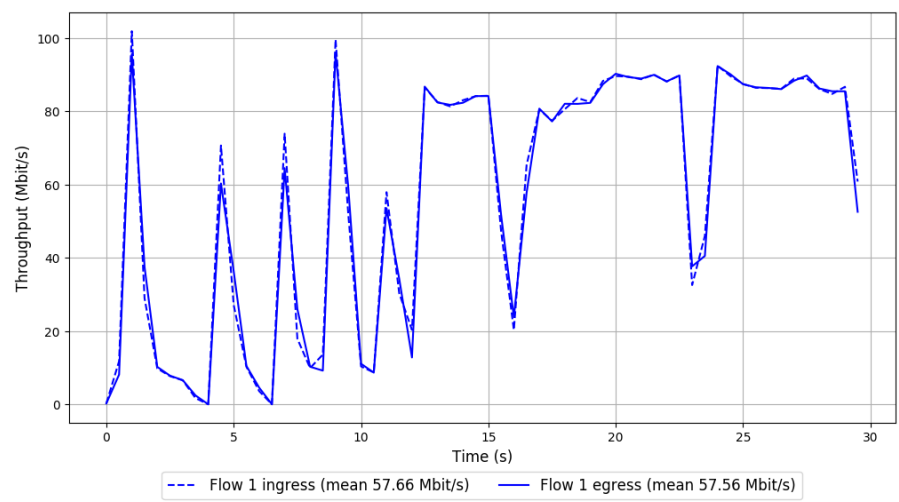
-- Flow 1:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 53.730 ms

Loss rate: 0.52%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-27 15:25:03

End at: 2018-02-27 15:25:33

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.91 Mbit/s

95th percentile per-packet one-way delay: 53.686 ms

Loss rate: 0.47%

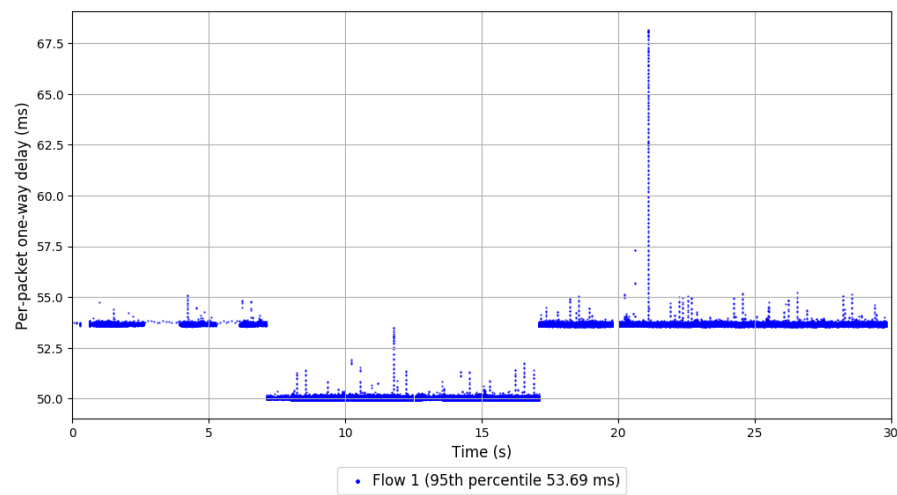
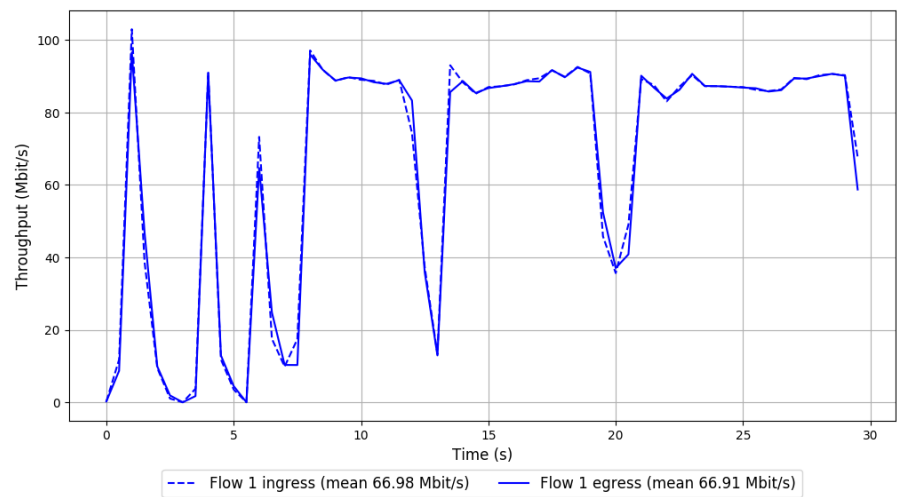
-- Flow 1:

Average throughput: 66.91 Mbit/s

95th percentile per-packet one-way delay: 53.686 ms

Loss rate: 0.47%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-27 15:39:50

End at: 2018-02-27 15:40:20

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 53.946 ms

Loss rate: 0.57%

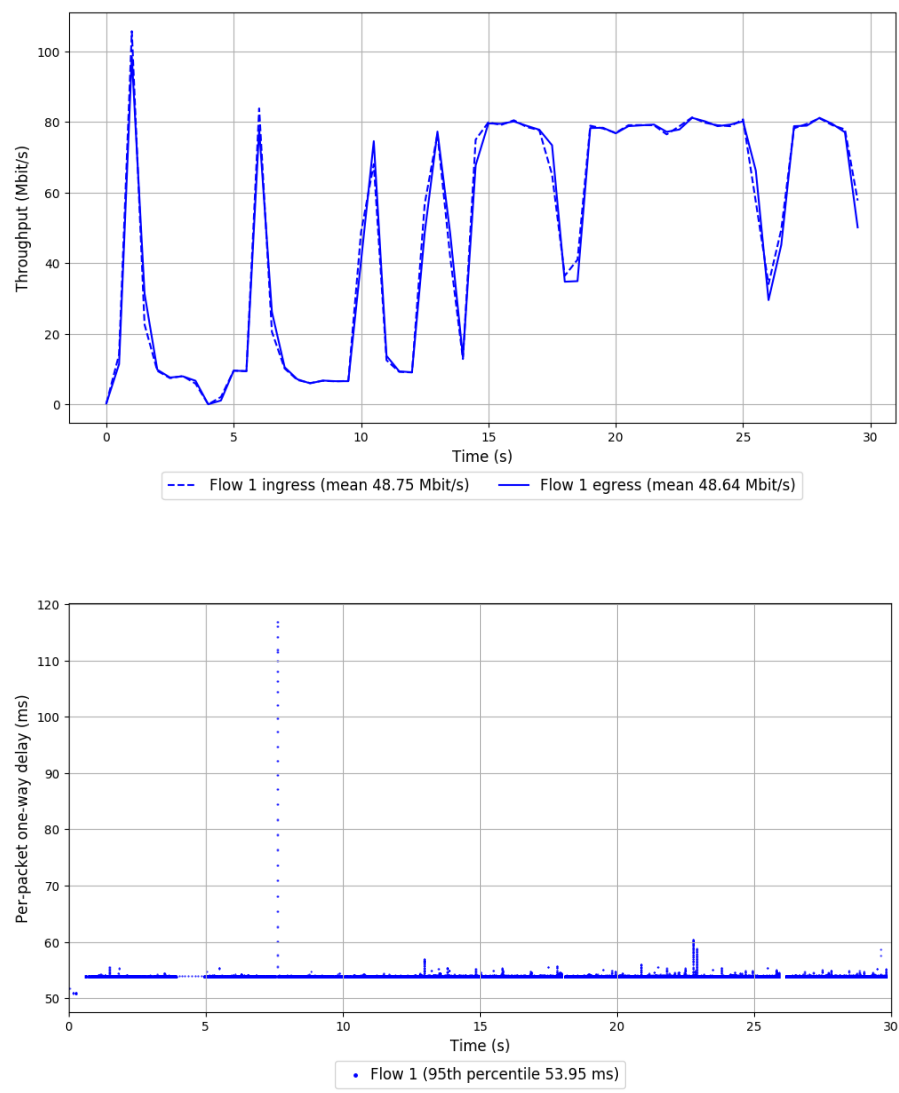
-- Flow 1:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 53.946 ms

Loss rate: 0.57%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-27 15:54:40

End at: 2018-02-27 15:55:10

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.48 Mbit/s

95th percentile per-packet one-way delay: 50.236 ms

Loss rate: 1.07%

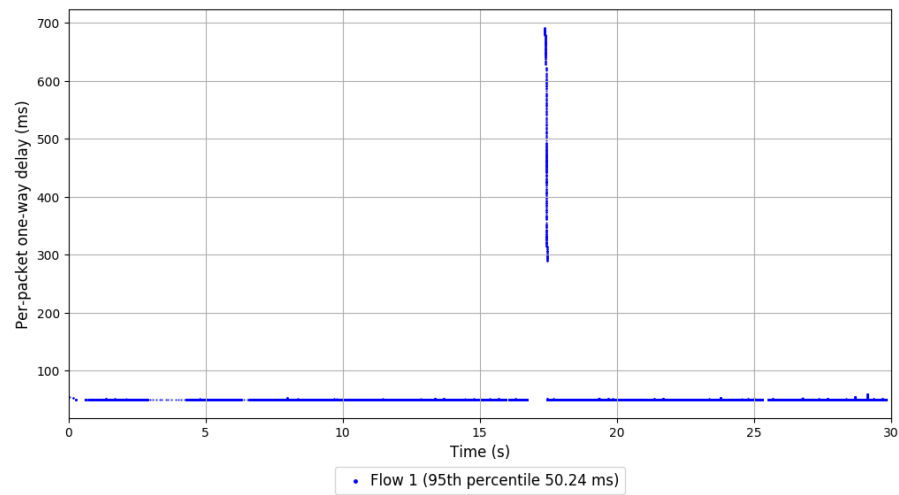
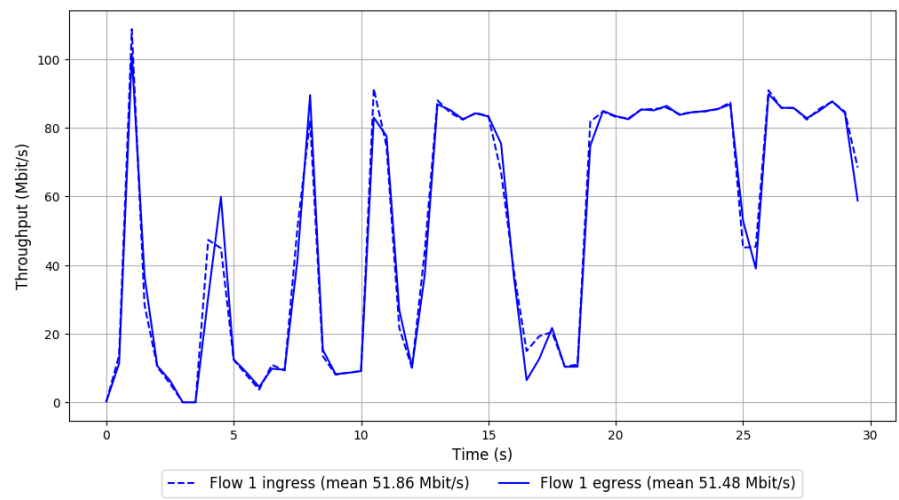
-- Flow 1:

Average throughput: 51.48 Mbit/s

95th percentile per-packet one-way delay: 50.236 ms

Loss rate: 1.07%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-27 16:09:20

End at: 2018-02-27 16:09:50

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 53.861 ms

Loss rate: 0.48%

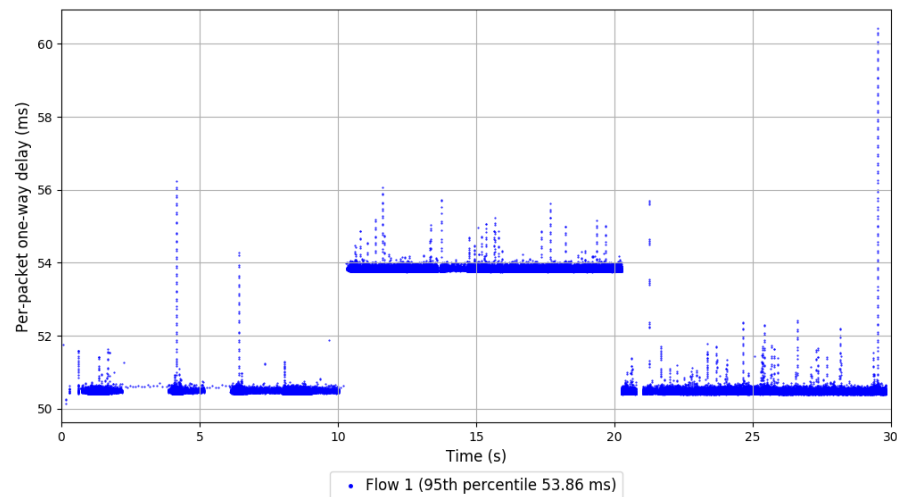
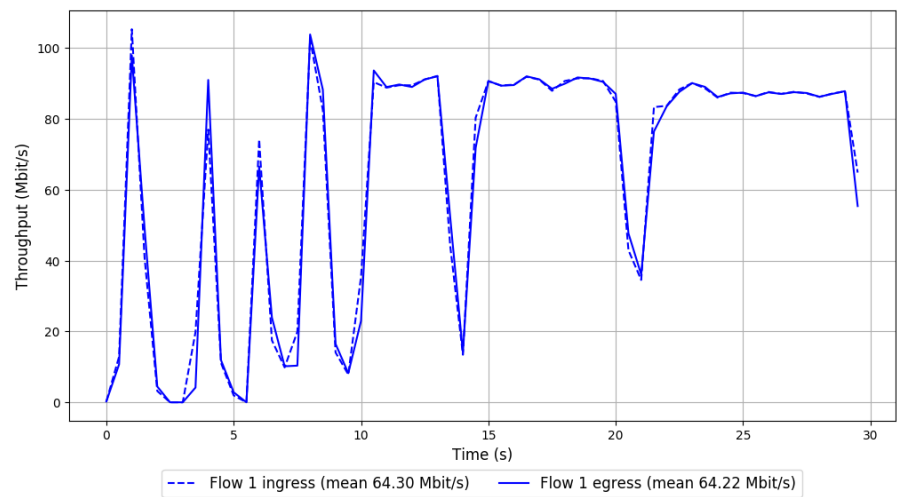
-- Flow 1:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 53.861 ms

Loss rate: 0.48%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-27 16:24:07

End at: 2018-02-27 16:24:37

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.20 Mbit/s

95th percentile per-packet one-way delay: 53.673 ms

Loss rate: 0.47%

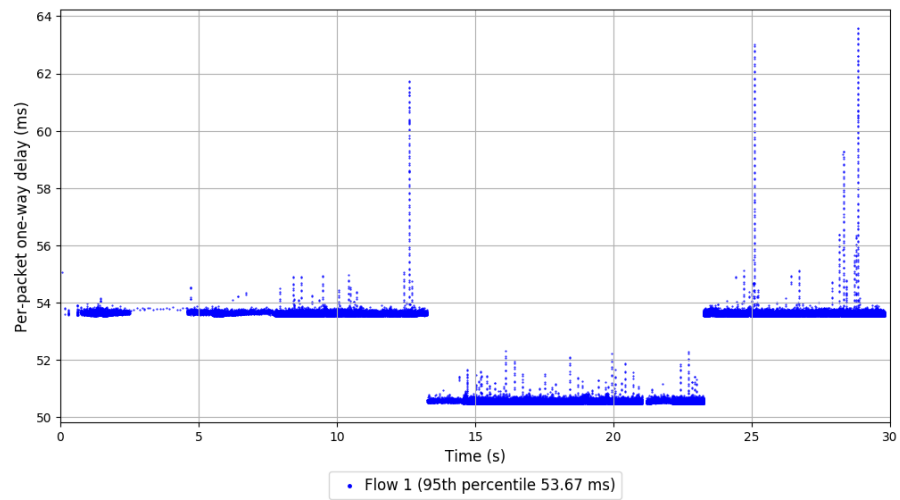
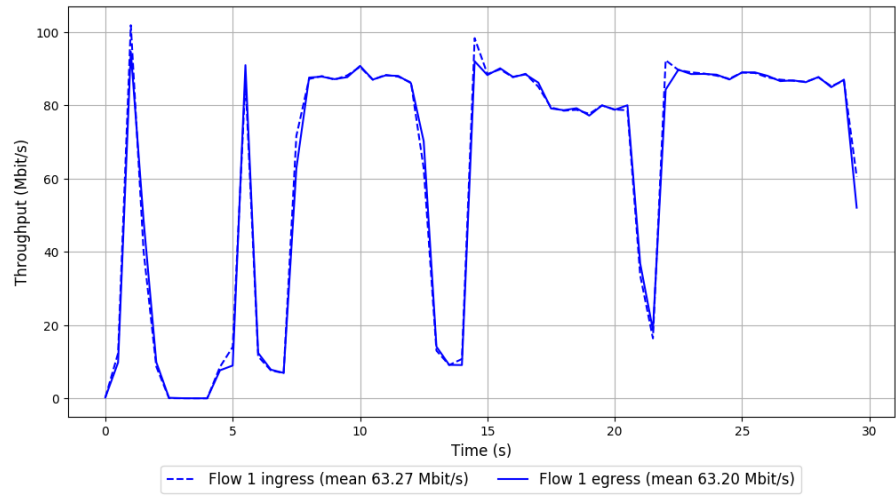
-- Flow 1:

Average throughput: 63.20 Mbit/s

95th percentile per-packet one-way delay: 53.673 ms

Loss rate: 0.47%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-27 16:38:41

End at: 2018-02-27 16:39:11

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.44 Mbit/s

95th percentile per-packet one-way delay: 53.721 ms

Loss rate: 0.51%

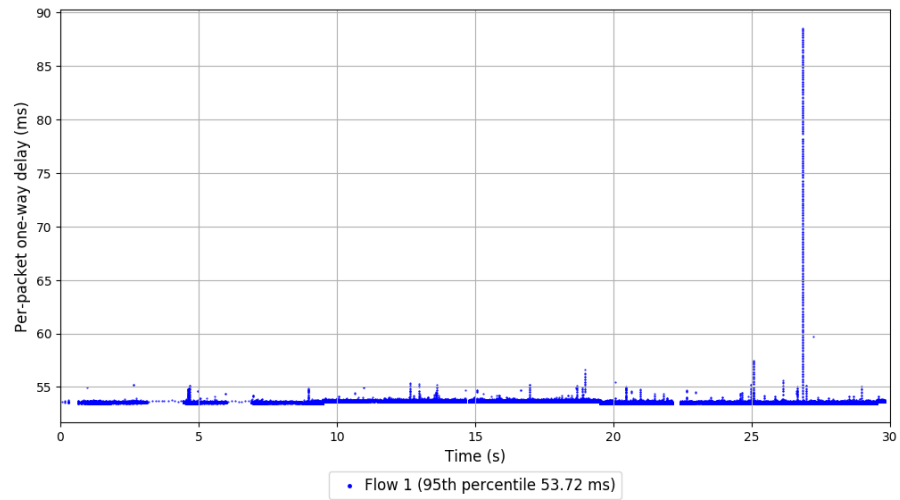
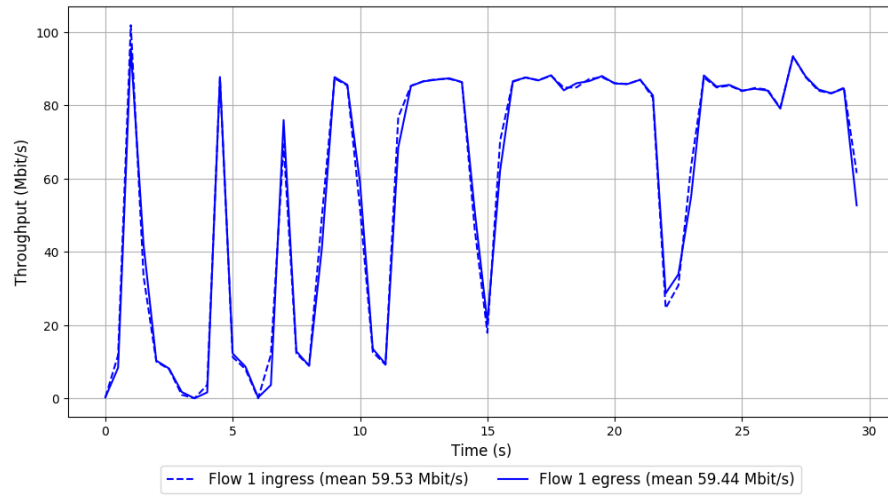
-- Flow 1:

Average throughput: 59.44 Mbit/s

95th percentile per-packet one-way delay: 53.721 ms

Loss rate: 0.51%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-27 16:53:27

End at: 2018-02-27 16:53:57

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 50.308 ms

Loss rate: 0.46%

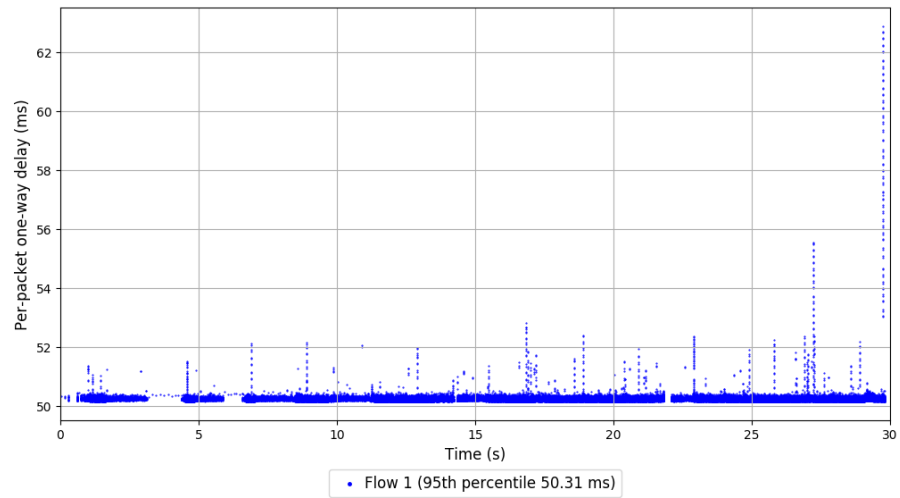
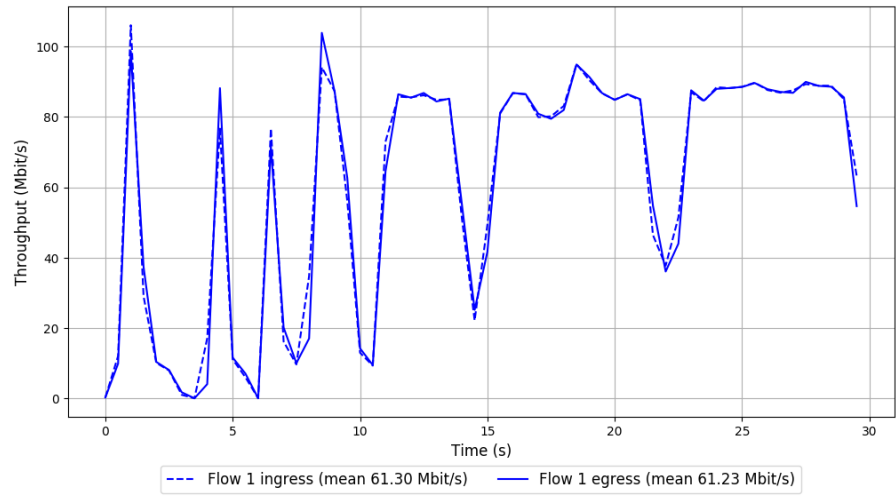
-- Flow 1:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 50.308 ms

Loss rate: 0.46%

Run 10: Report of QUIC Cubic — Data Link

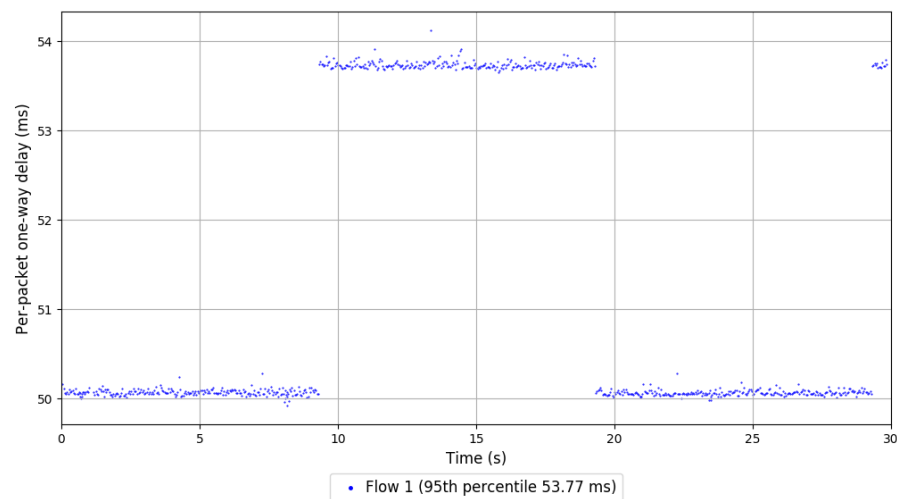
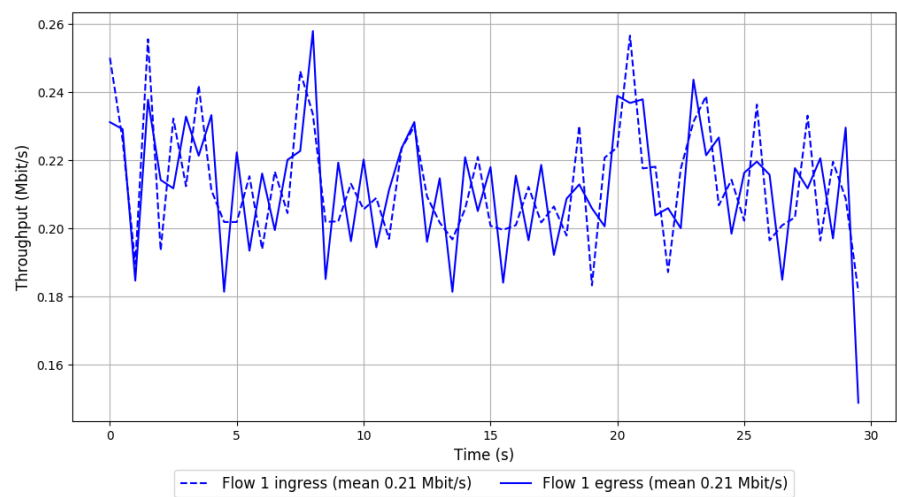


```
Run 1: Statistics of SCReAM

Start at: 2018-02-27 14:33:11
End at: 2018-02-27 14:33:41

# Below is generated by plot.py at 2018-02-27 19:59:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.774 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.774 ms
Loss rate: 0.38%
```

Run 1: Report of SReAM — Data Link

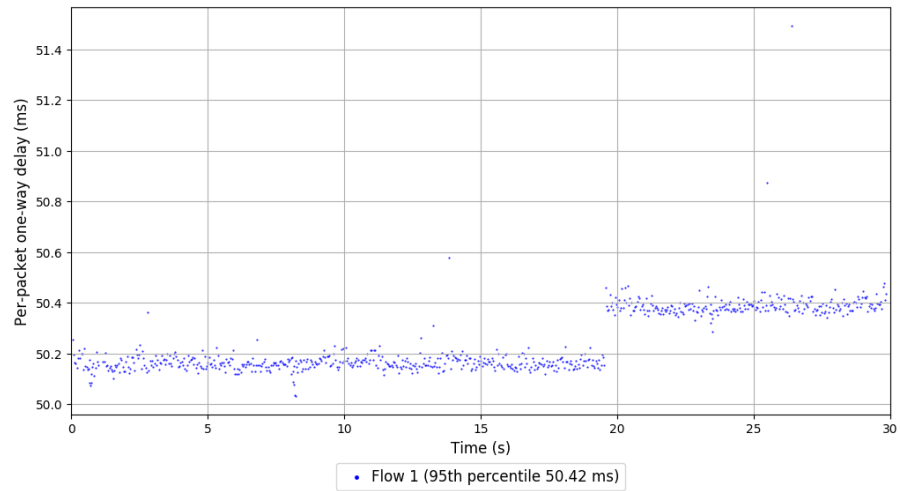
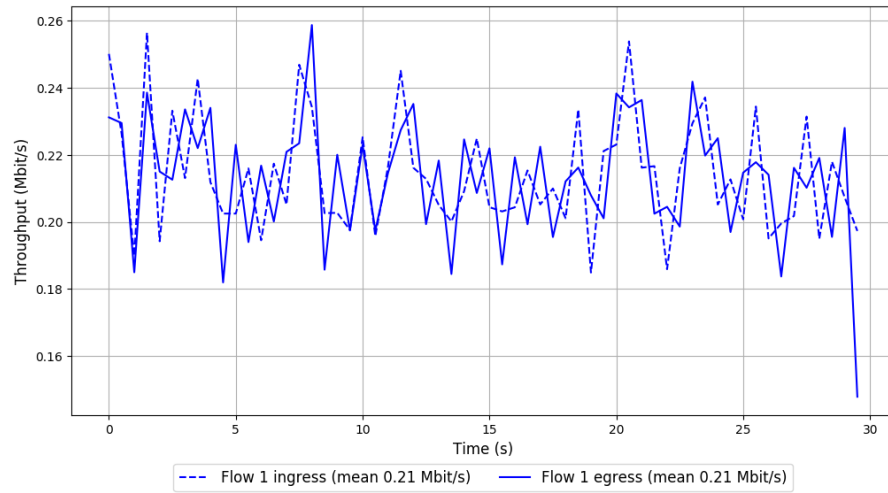


```
Run 2: Statistics of SCReAM

Start at: 2018-02-27 14:48:01
End at: 2018-02-27 14:48:31

# Below is generated by plot.py at 2018-02-27 19:59:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.419 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.419 ms
Loss rate: 0.51%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-02-27 15:03:02

End at: 2018-02-27 15:03:32

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.113 ms

Loss rate: 0.25%

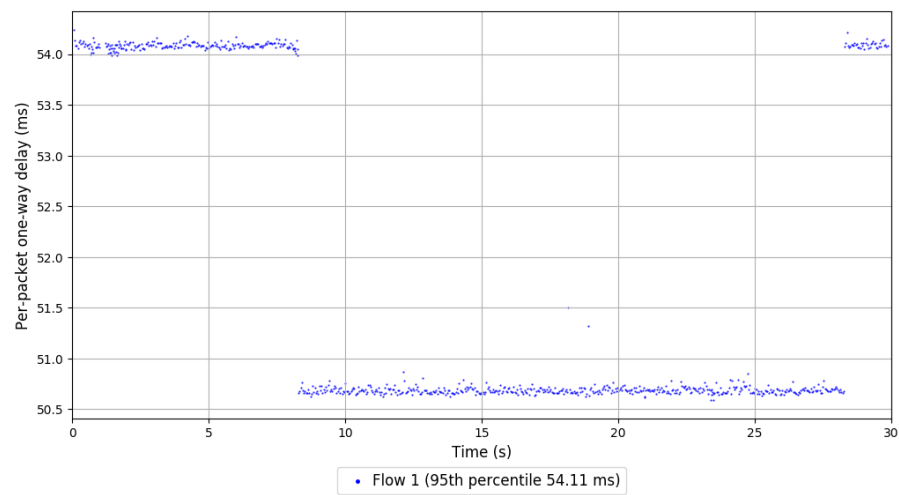
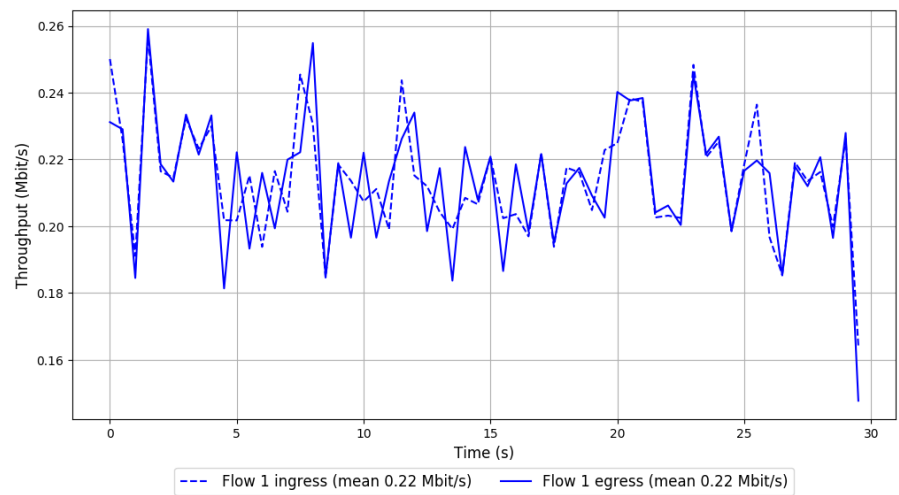
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.113 ms

Loss rate: 0.25%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-02-27 15:17:29

End at: 2018-02-27 15:17:59

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.976 ms

Loss rate: 0.38%

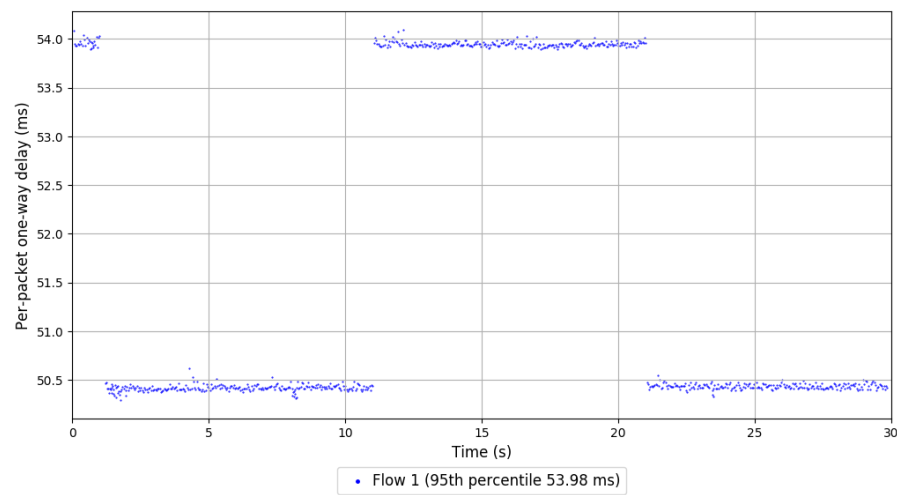
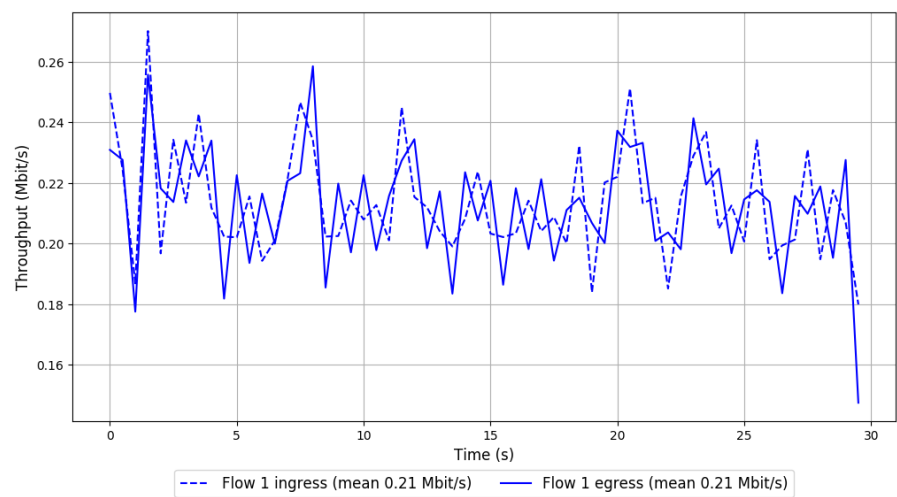
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.976 ms

Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-02-27 15:32:19

End at: 2018-02-27 15:32:49

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.38%

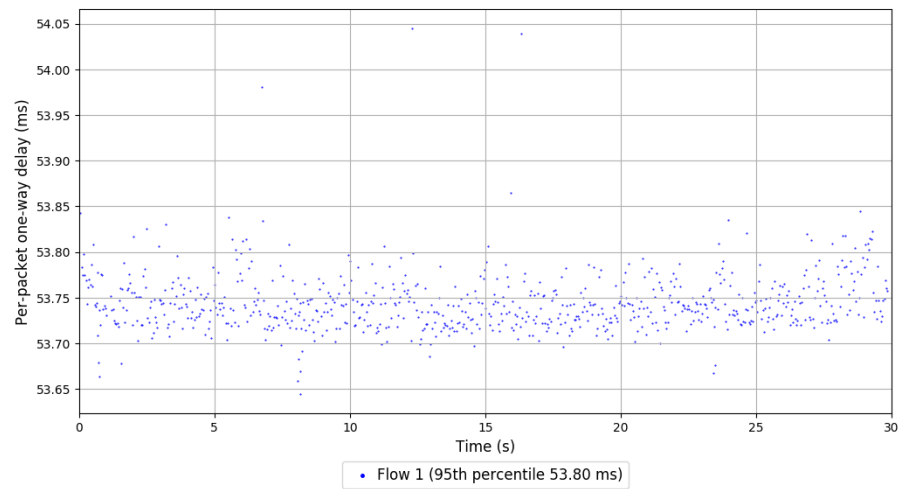
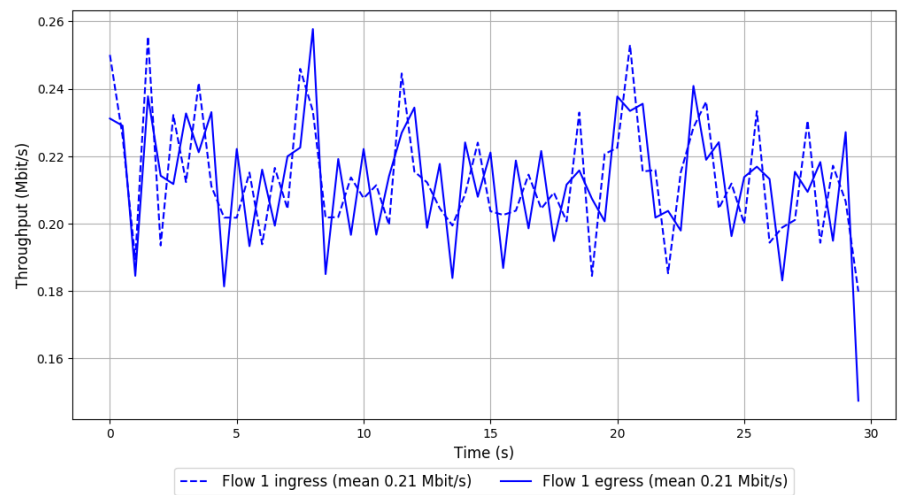
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-02-27 15:47:10

End at: 2018-02-27 15:47:40

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.988 ms

Loss rate: 0.38%

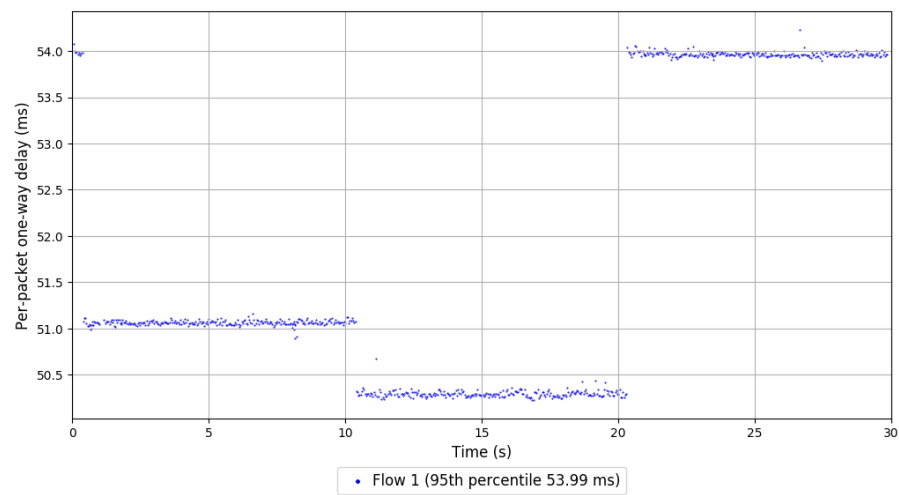
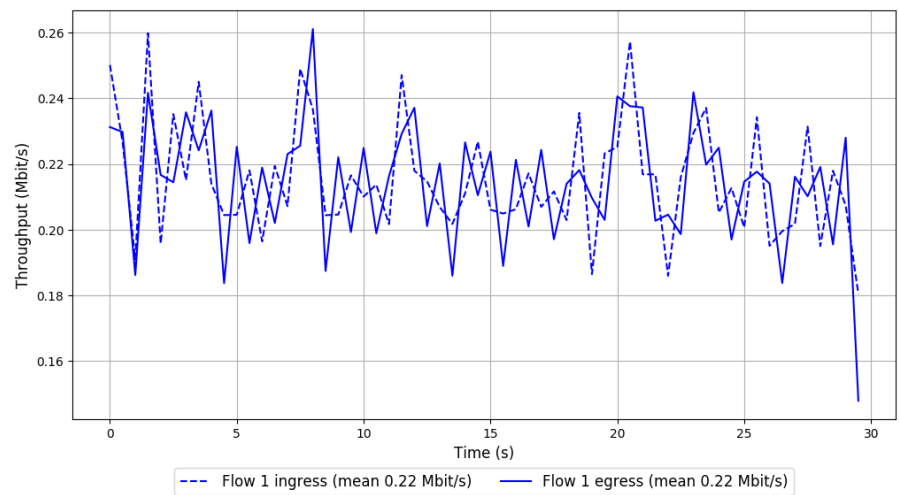
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.988 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link

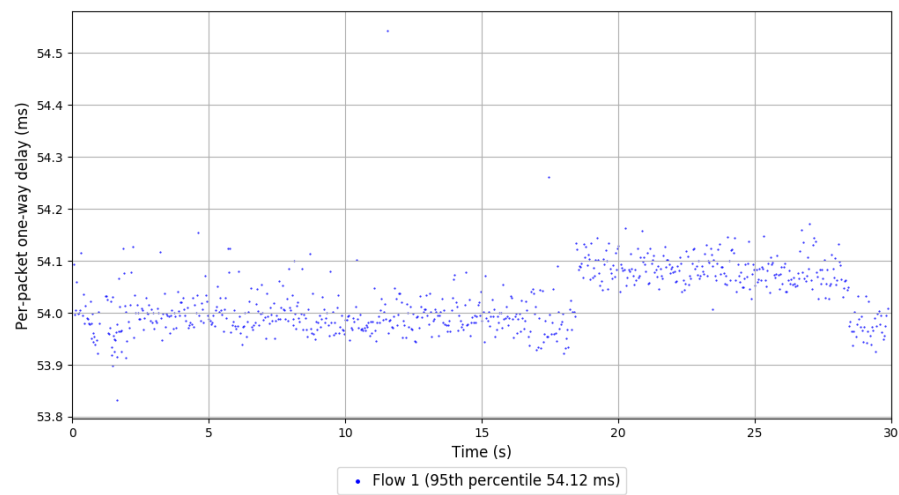
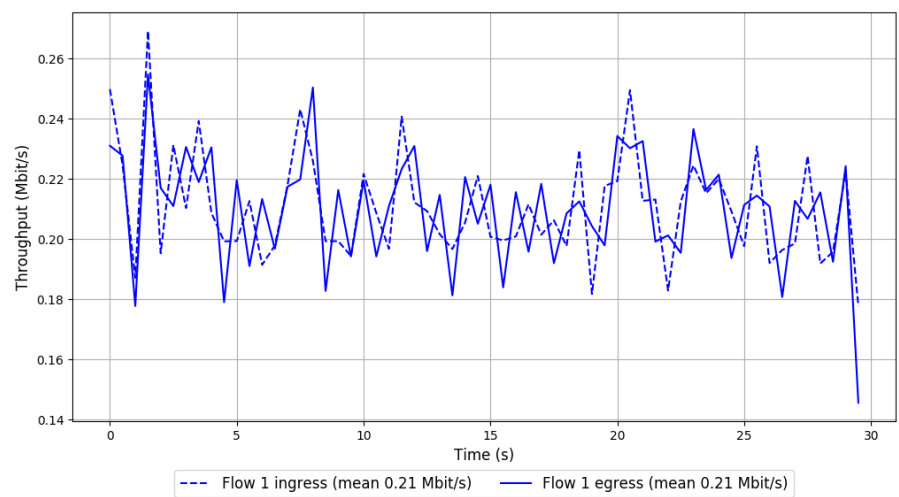


```
Run 7: Statistics of SCReAM

Start at: 2018-02-27 16:02:02
End at: 2018-02-27 16:02:32

# Below is generated by plot.py at 2018-02-27 19:59:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.121 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.121 ms
Loss rate: 0.38%
```


Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-27 16:16:38

End at: 2018-02-27 16:17:08

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.899 ms

Loss rate: 0.38%

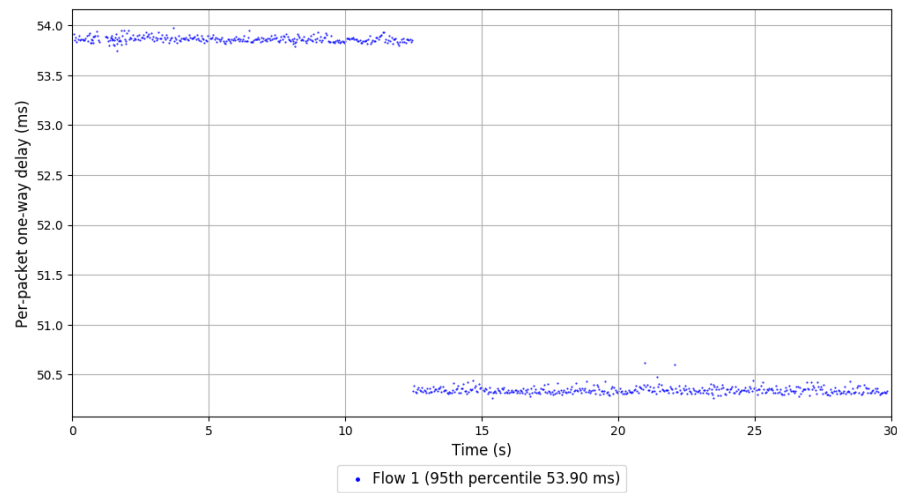
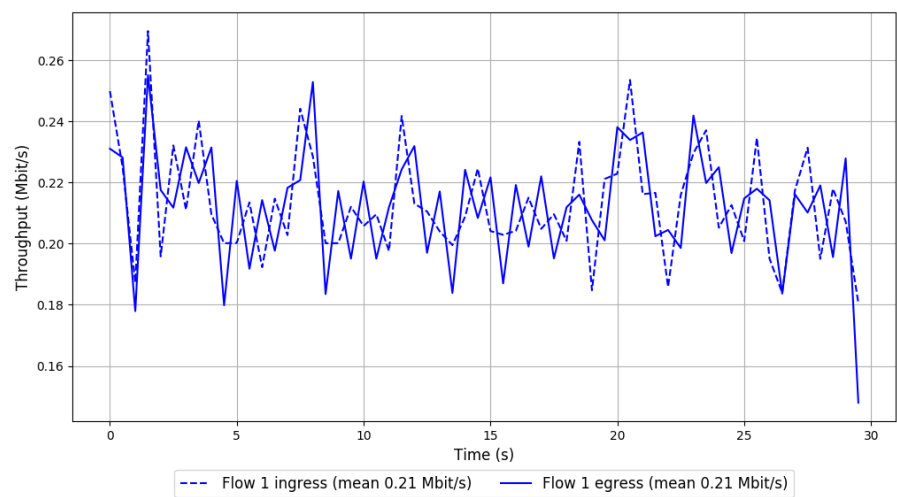
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.899 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-27 16:31:37

End at: 2018-02-27 16:32:07

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.873 ms

Loss rate: 0.38%

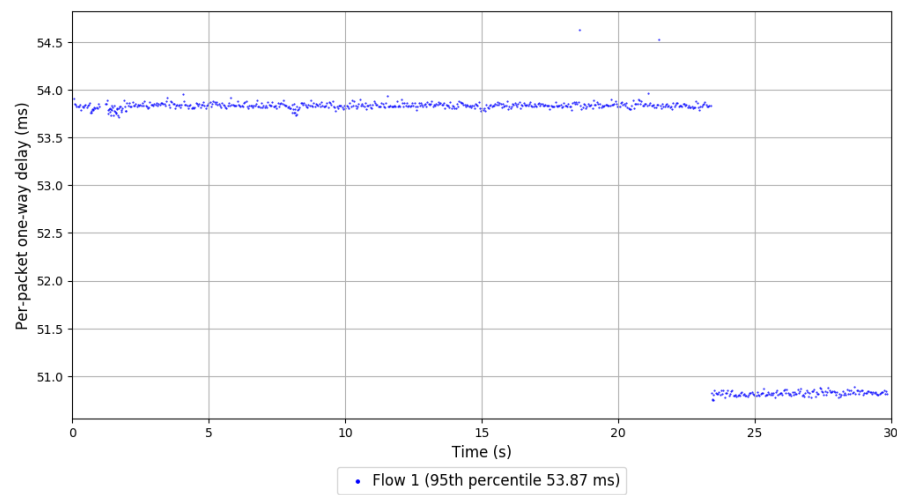
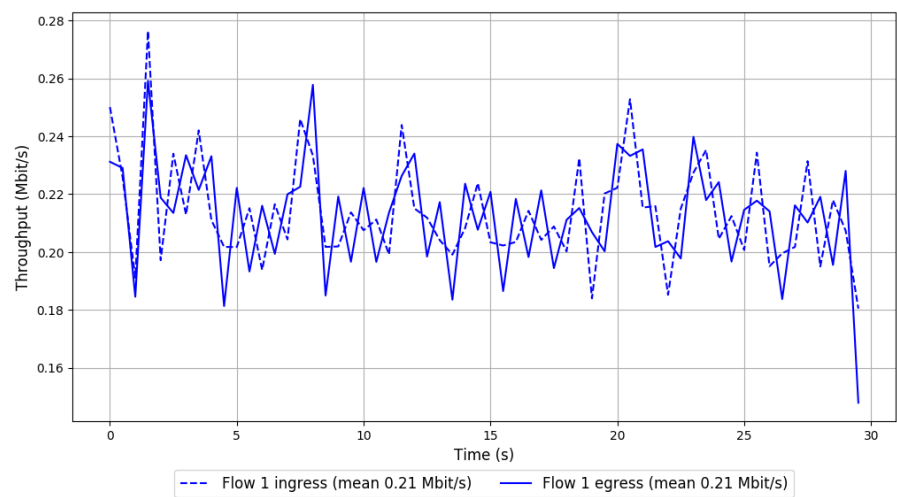
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.873 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-27 16:46:00

End at: 2018-02-27 16:46:30

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.951 ms

Loss rate: 0.38%

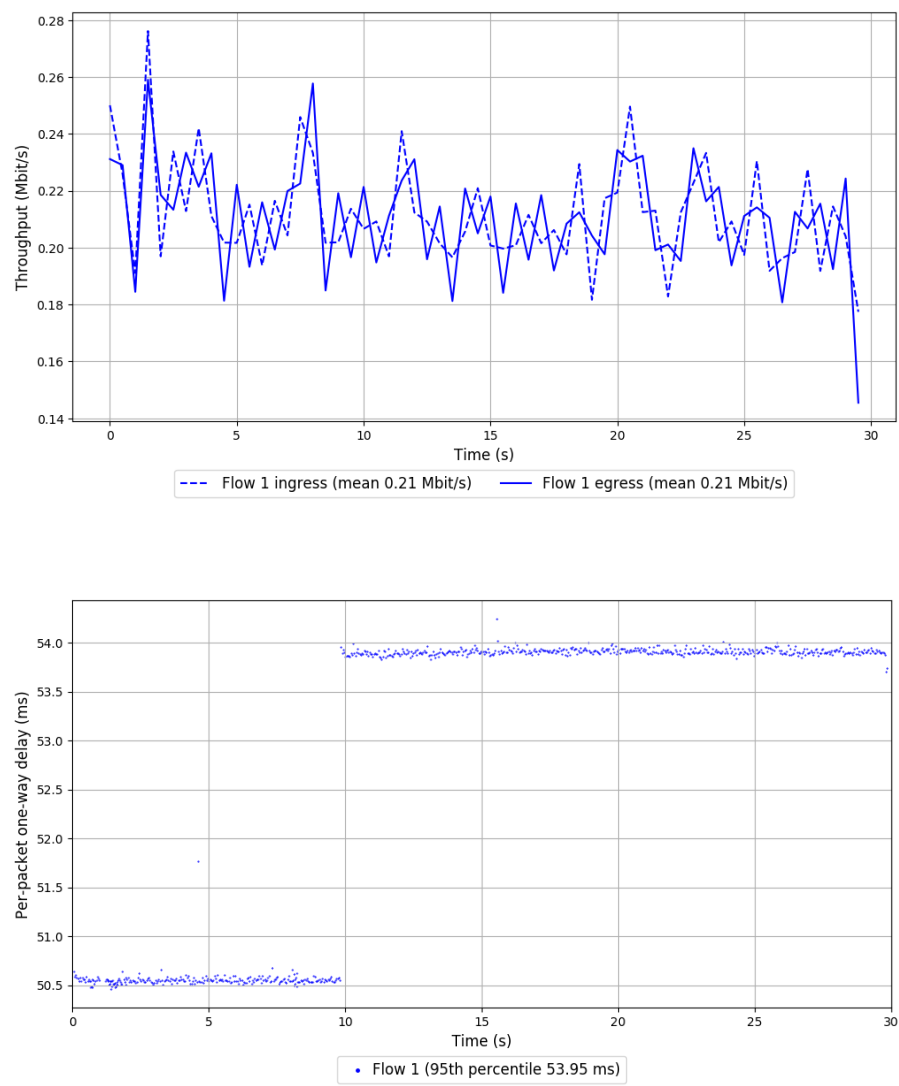
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.951 ms

Loss rate: 0.38%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-02-27 14:39:04

End at: 2018-02-27 14:39:34

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 53.700 ms

Loss rate: 0.71%

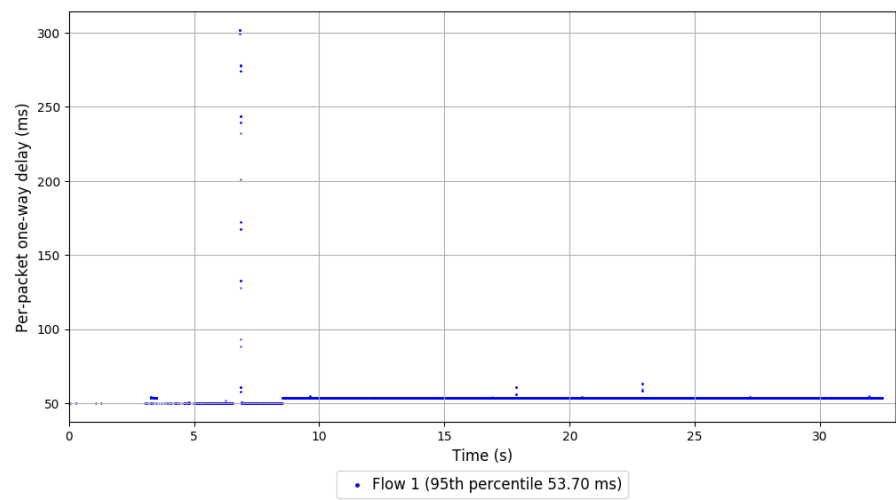
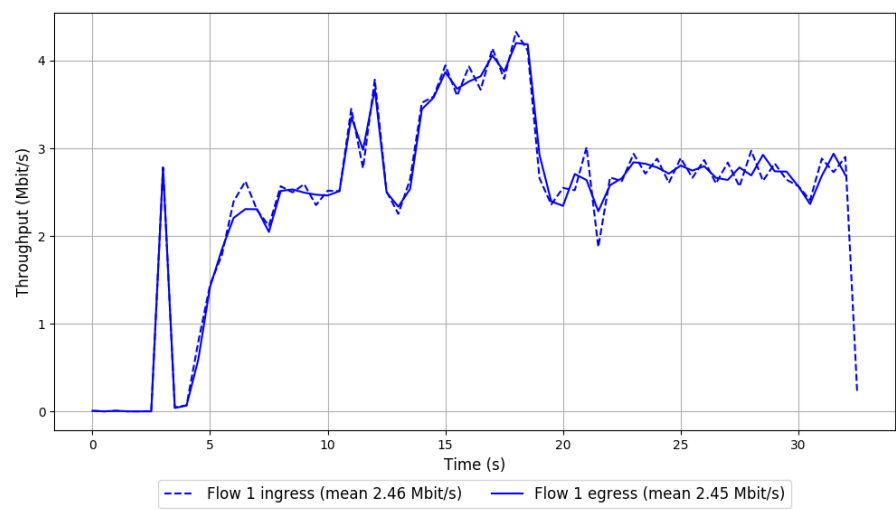
-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 53.700 ms

Loss rate: 0.71%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-02-27 14:54:19

End at: 2018-02-27 14:54:49

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.961 ms

Loss rate: 0.29%

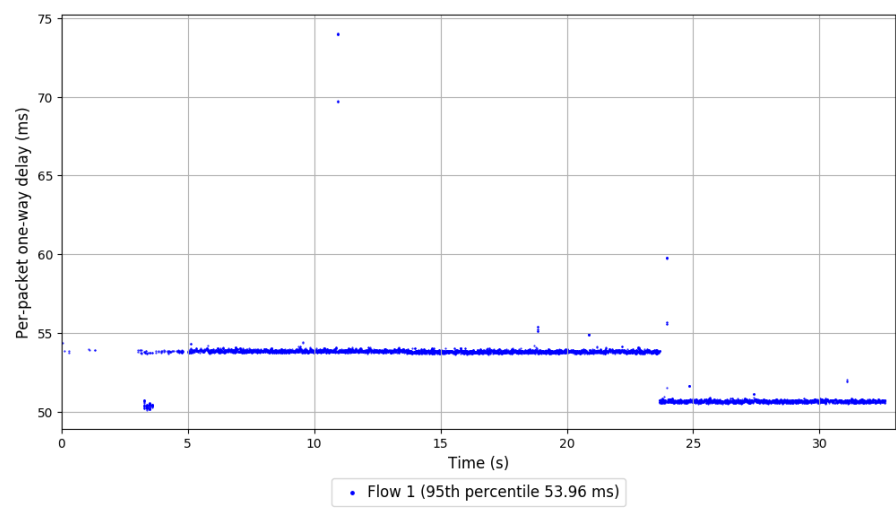
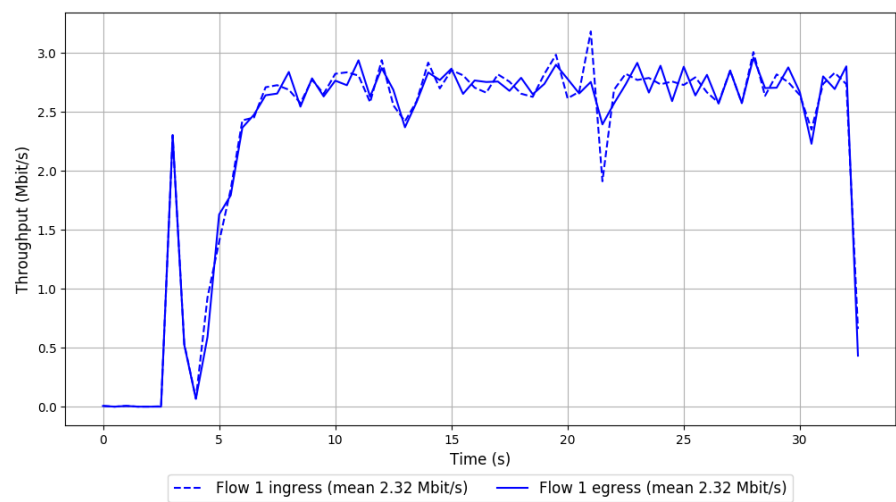
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.961 ms

Loss rate: 0.29%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-27 15:08:55

End at: 2018-02-27 15:09:25

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 54.079 ms

Loss rate: 0.43%

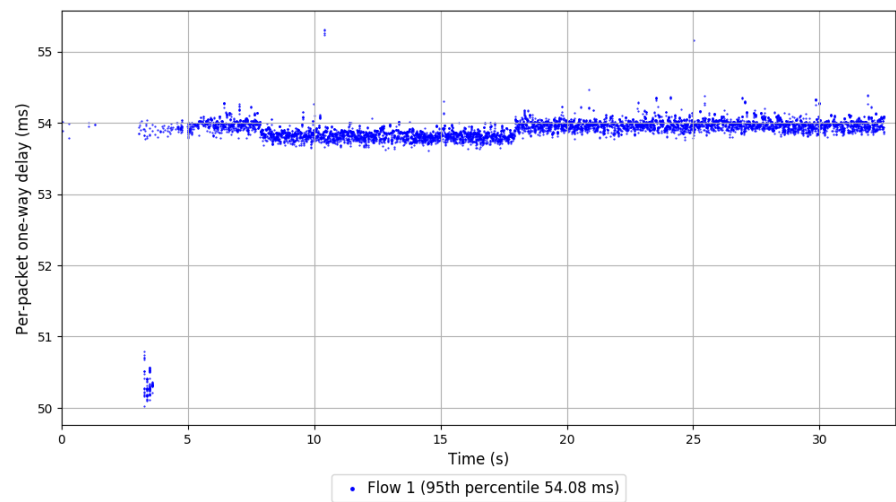
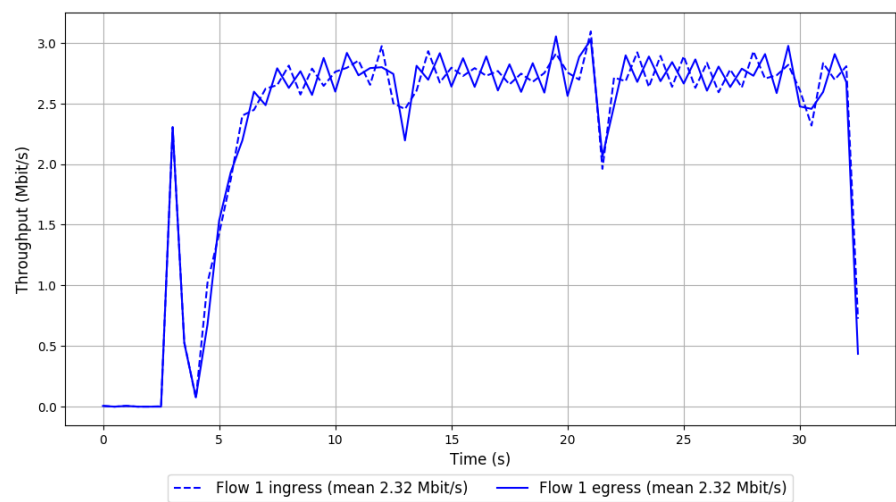
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 54.079 ms

Loss rate: 0.43%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-27 15:23:23

End at: 2018-02-27 15:23:53

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 53.832 ms

Loss rate: 0.43%

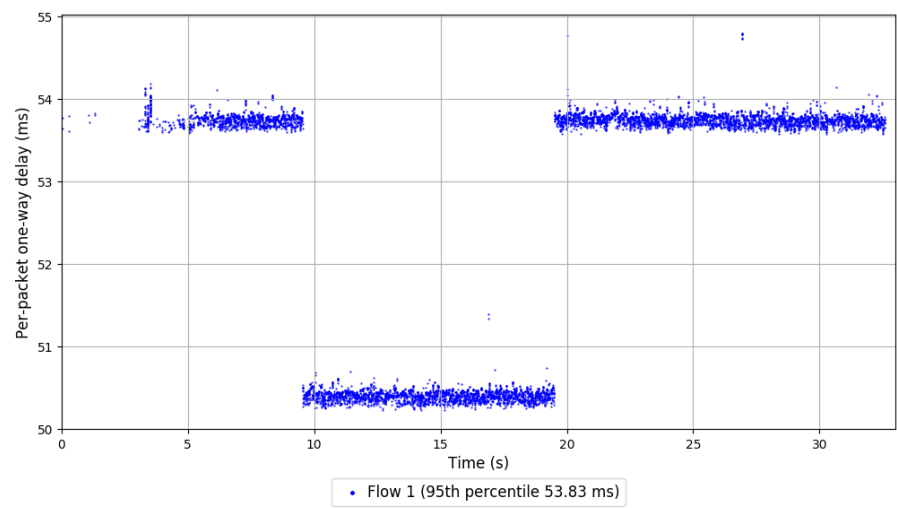
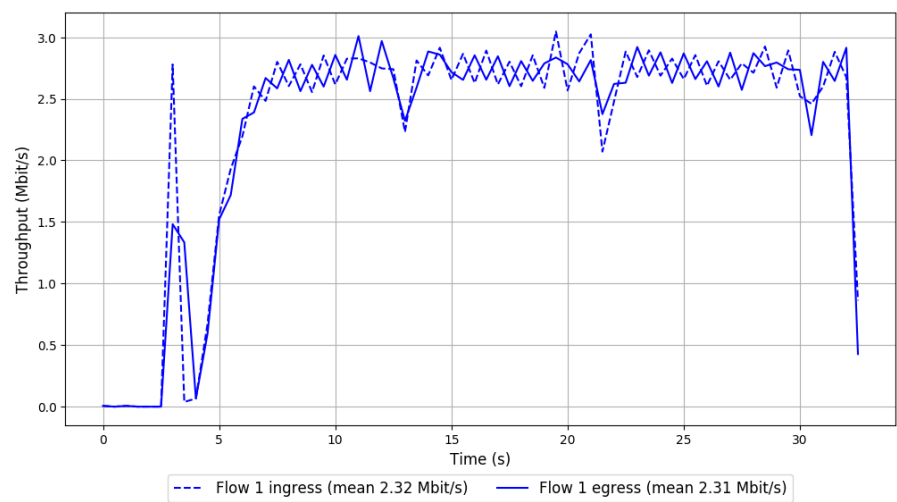
-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 53.832 ms

Loss rate: 0.43%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-27 15:38:30

End at: 2018-02-27 15:39:00

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.861 ms

Loss rate: 0.44%

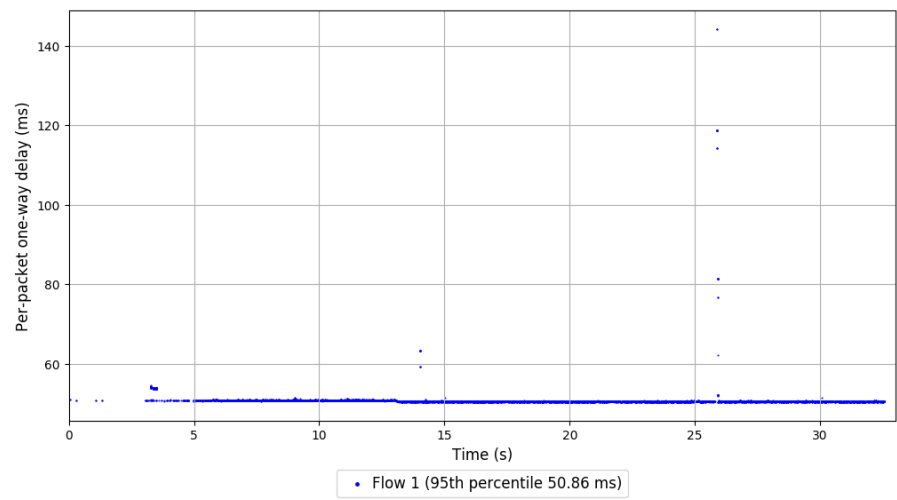
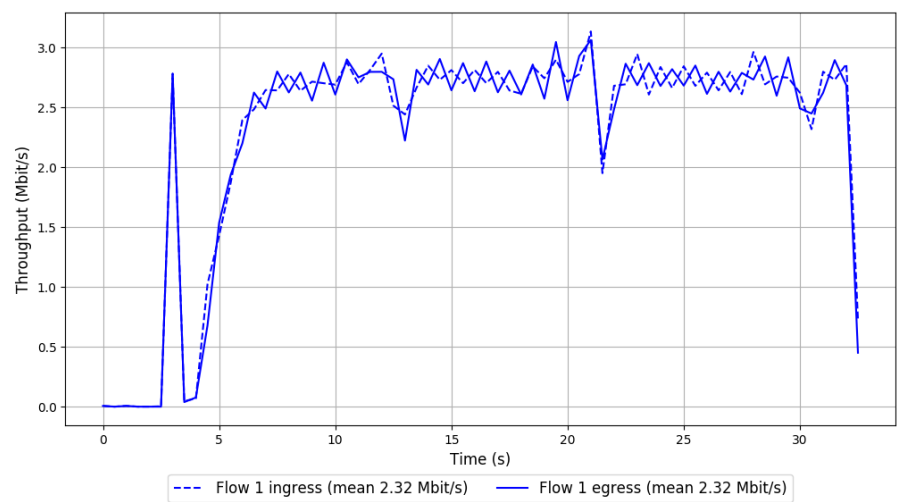
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.861 ms

Loss rate: 0.44%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-27 15:53:20

End at: 2018-02-27 15:53:50

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 54.215 ms

Loss rate: 0.43%

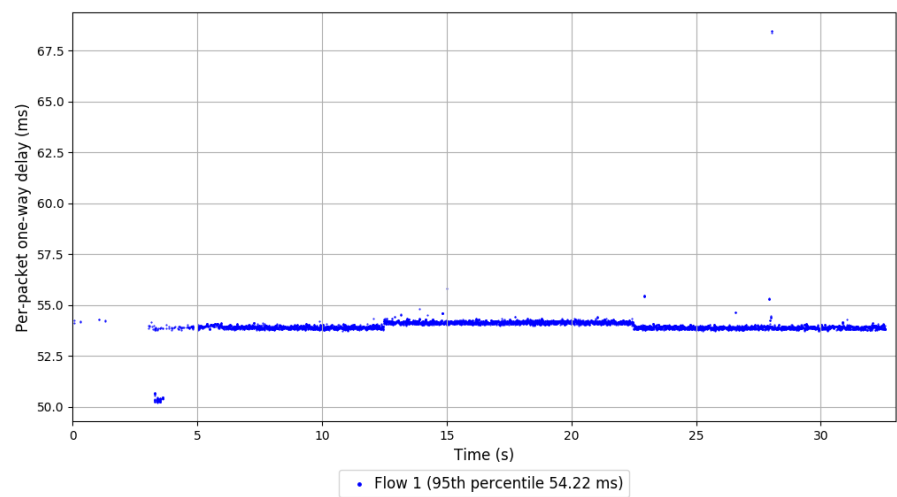
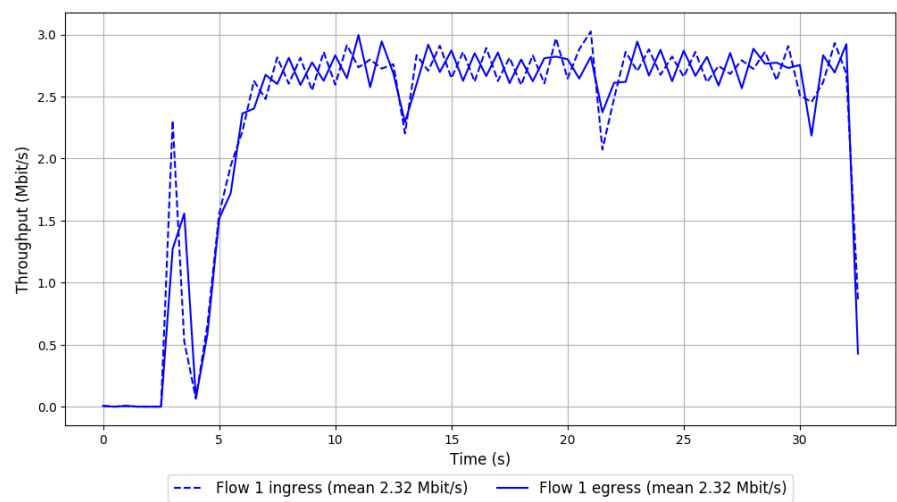
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 54.215 ms

Loss rate: 0.43%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-27 16:07:58

End at: 2018-02-27 16:08:28

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.391 ms

Loss rate: 0.43%

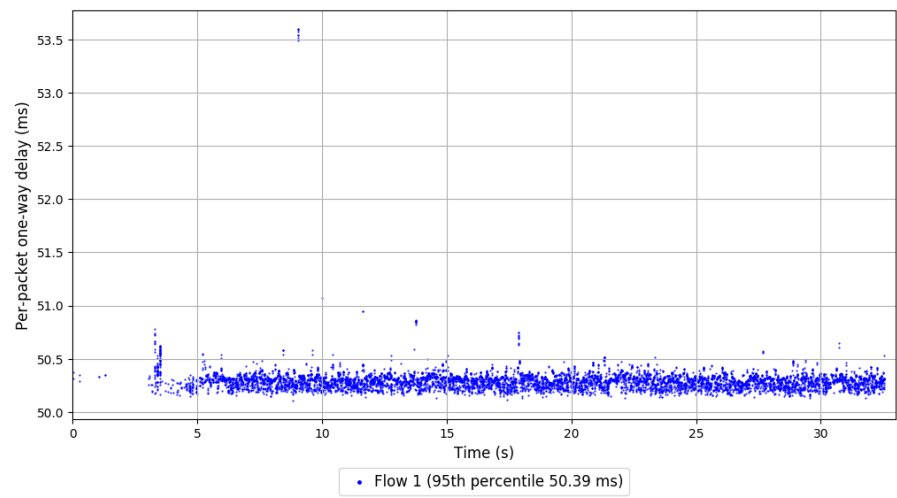
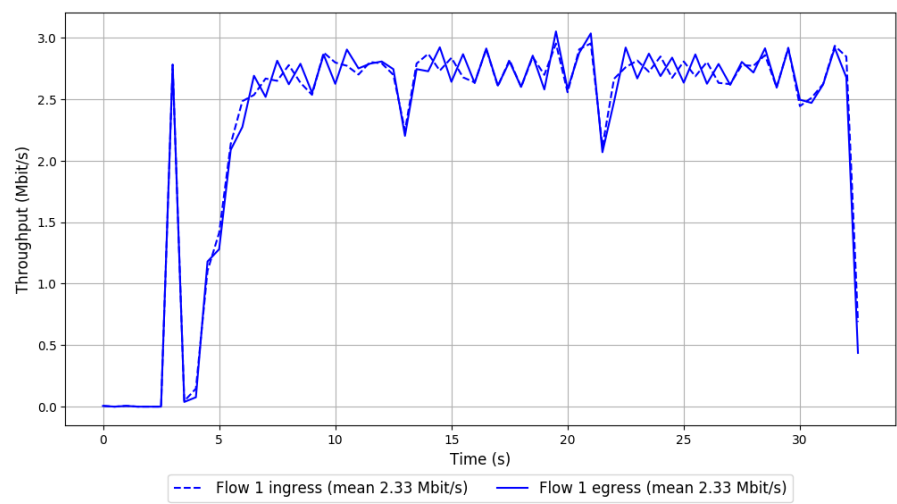
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 50.391 ms

Loss rate: 0.43%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-27 16:22:45

End at: 2018-02-27 16:23:15

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.239 ms

Loss rate: 0.44%

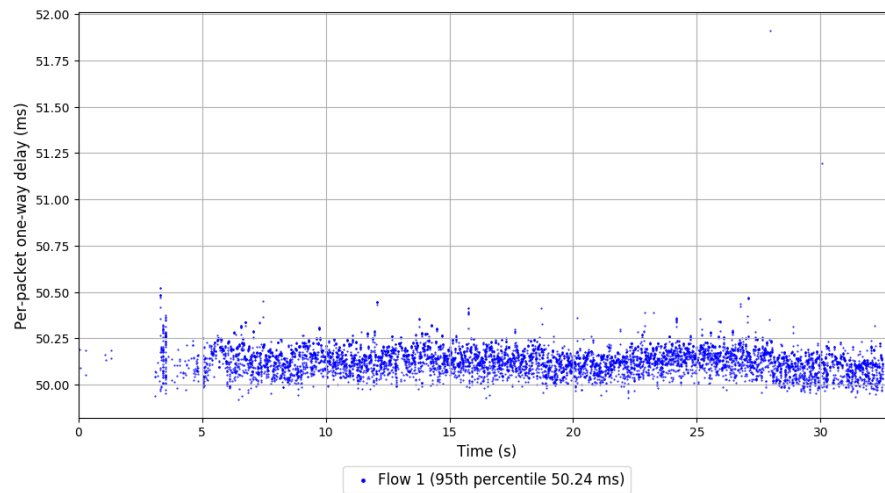
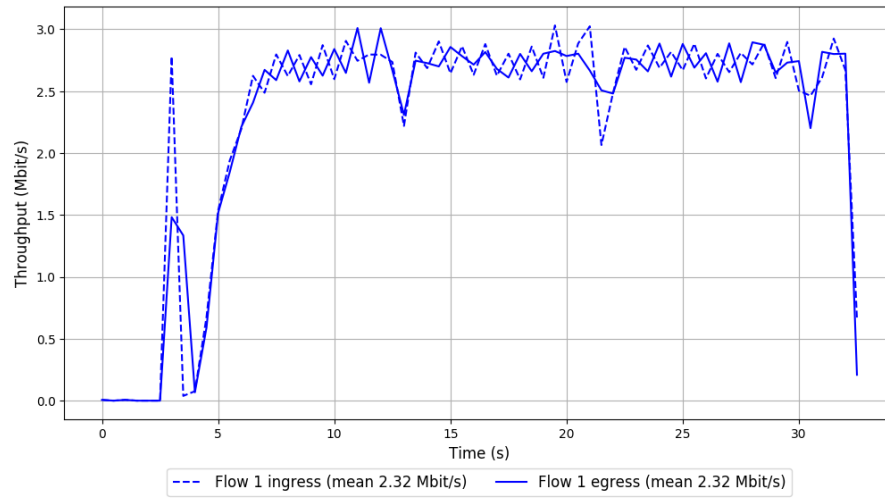
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 50.239 ms

Loss rate: 0.44%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-27 16:37:20

End at: 2018-02-27 16:37:50

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.724 ms

Loss rate: 0.34%

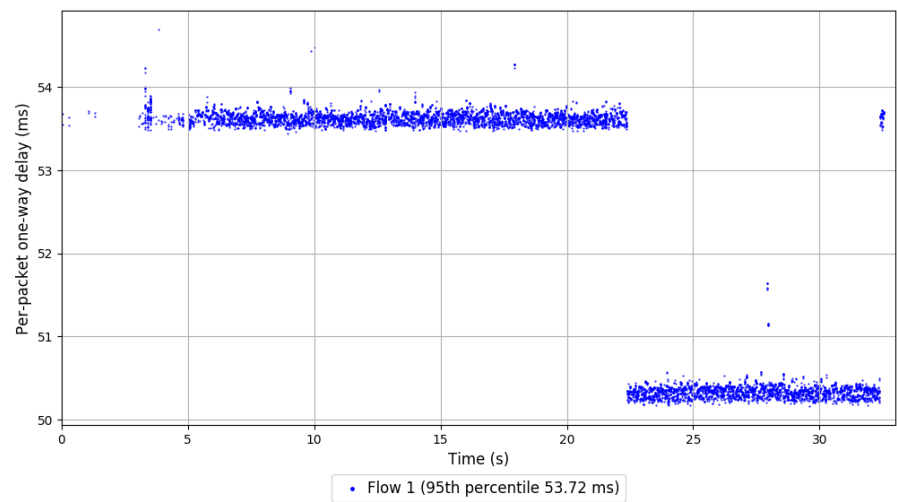
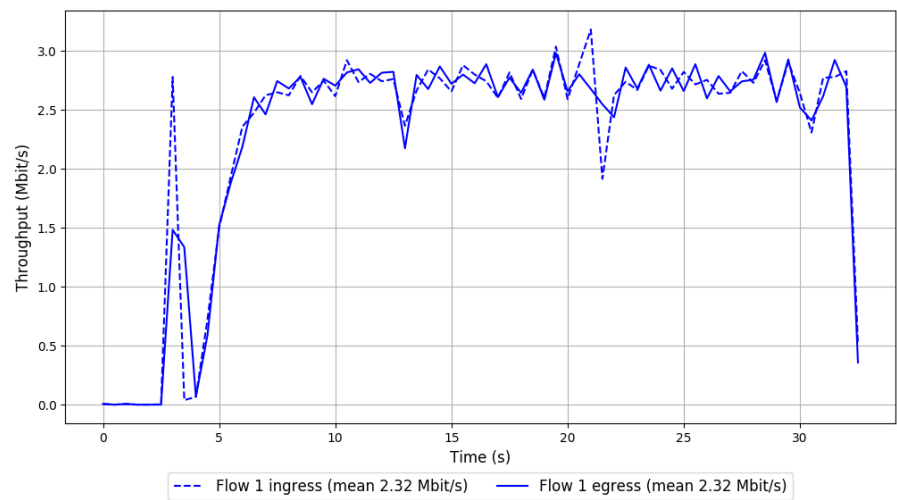
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.724 ms

Loss rate: 0.34%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-27 16:52:05

End at: 2018-02-27 16:52:35

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.674 ms

Loss rate: 0.33%

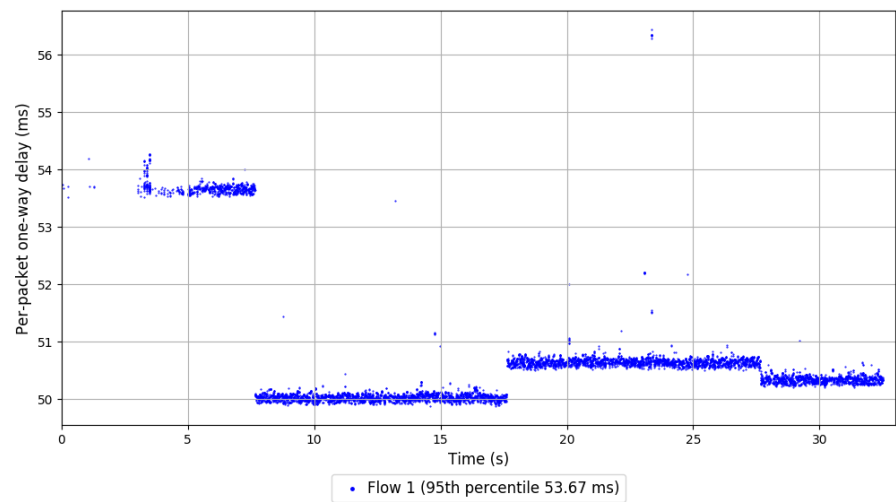
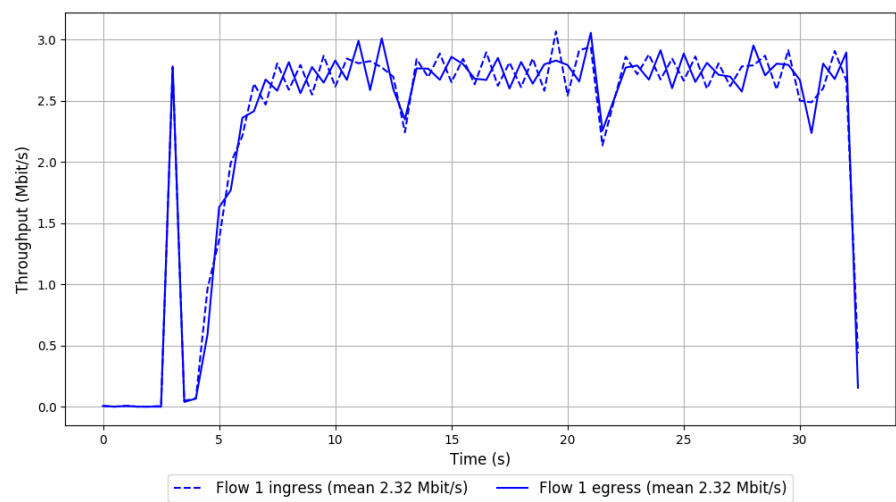
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.674 ms

Loss rate: 0.33%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-27 14:41:54

End at: 2018-02-27 14:42:24

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 54.736 ms

Loss rate: 0.43%

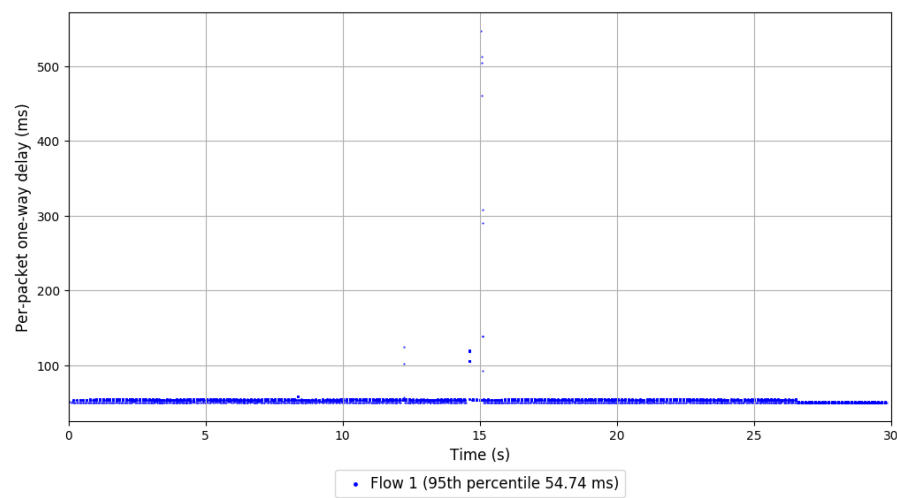
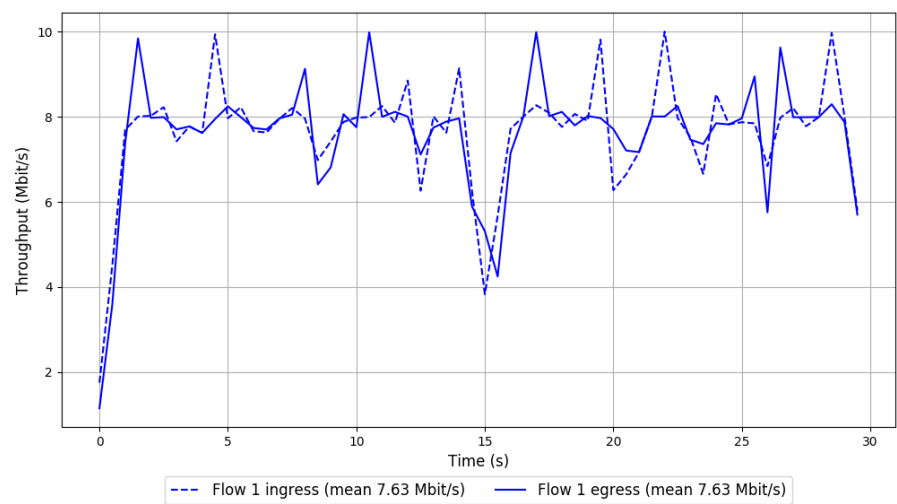
-- Flow 1:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 54.736 ms

Loss rate: 0.43%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-02-27 14:56:59

End at: 2018-02-27 14:57:29

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 54.614 ms

Loss rate: 0.43%

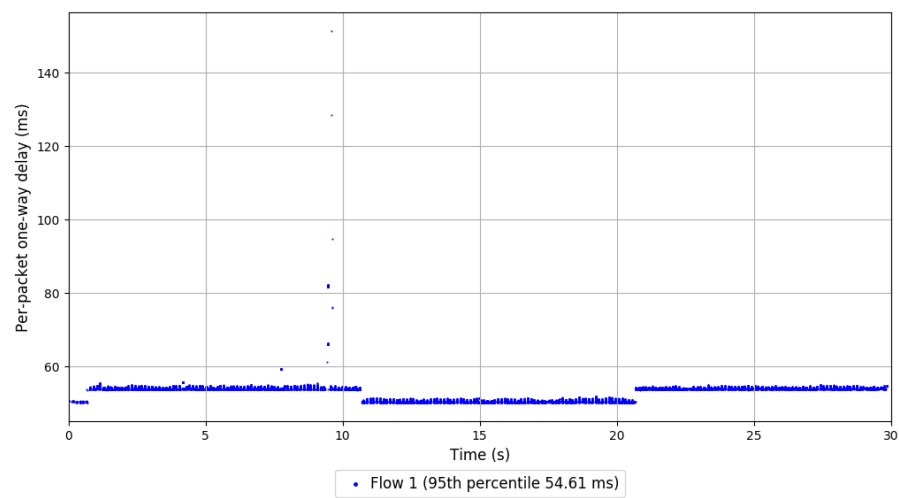
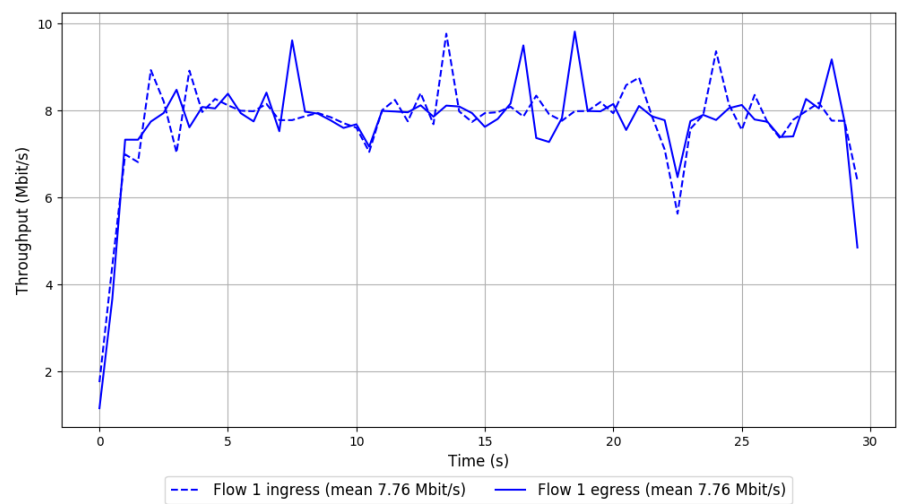
-- Flow 1:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 54.614 ms

Loss rate: 0.43%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-02-27 15:11:35

End at: 2018-02-27 15:12:06

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 54.348 ms

Loss rate: 0.31%

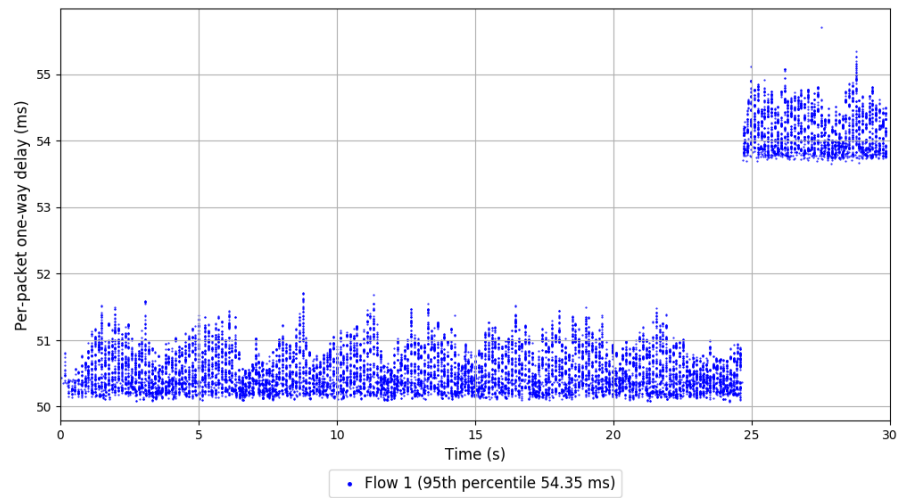
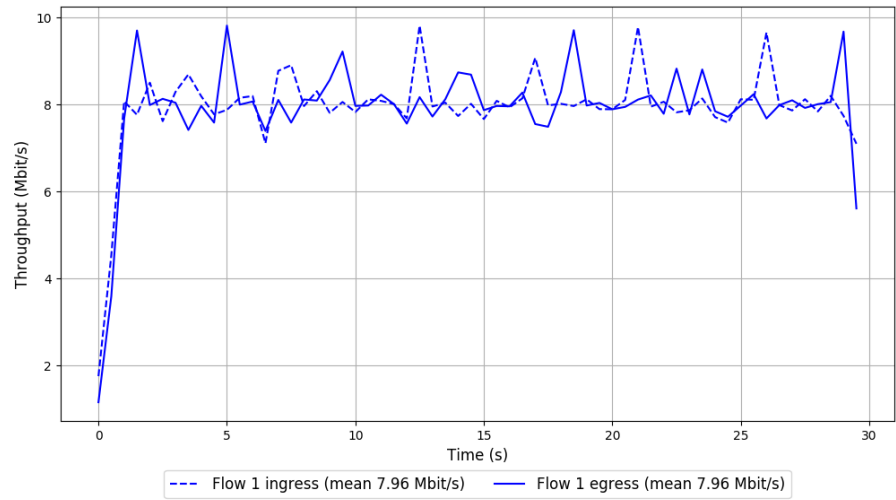
-- Flow 1:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 54.348 ms

Loss rate: 0.31%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-27 15:26:22

End at: 2018-02-27 15:26:52

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 53.735 ms

Loss rate: 0.70%

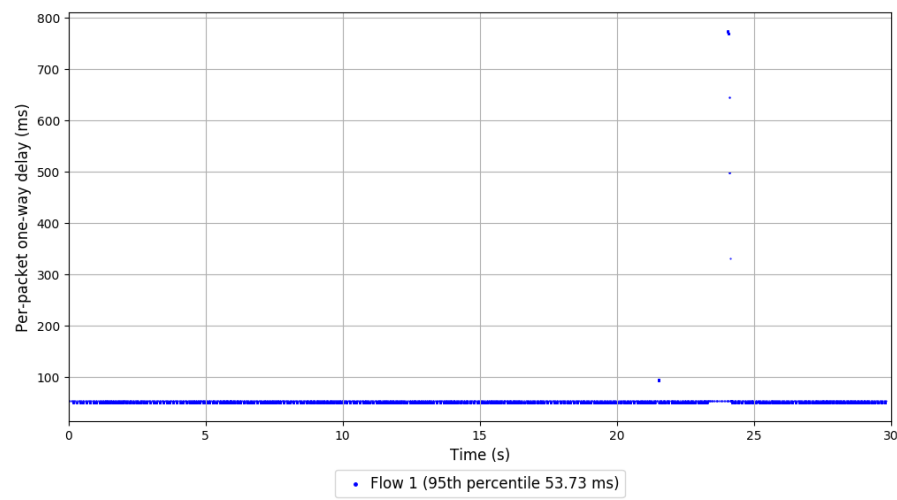
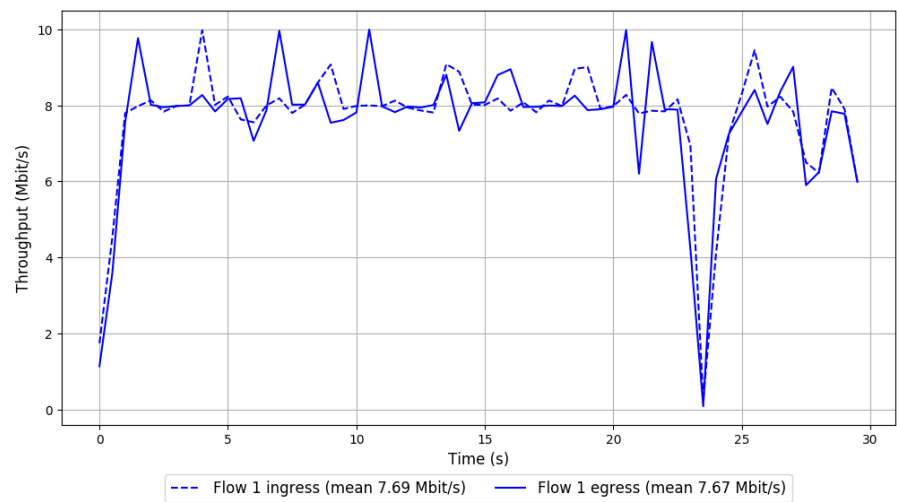
-- Flow 1:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 53.735 ms

Loss rate: 0.70%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-27 15:41:08

End at: 2018-02-27 15:41:38

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 54.638 ms

Loss rate: 0.42%

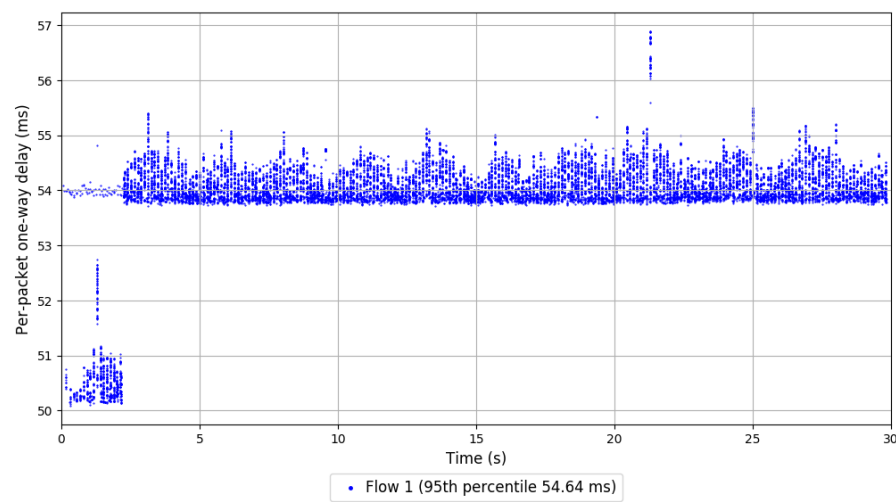
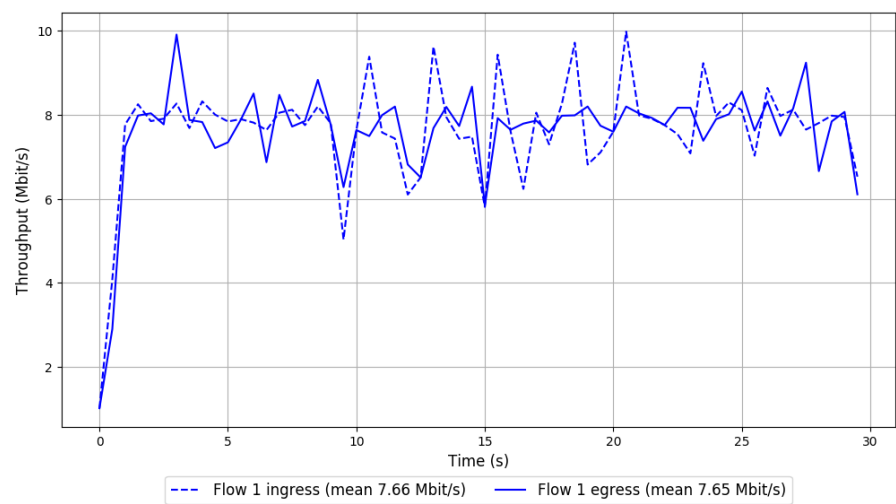
-- Flow 1:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 54.638 ms

Loss rate: 0.42%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-27 15:55:59

End at: 2018-02-27 15:56:29

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 54.856 ms

Loss rate: 0.41%

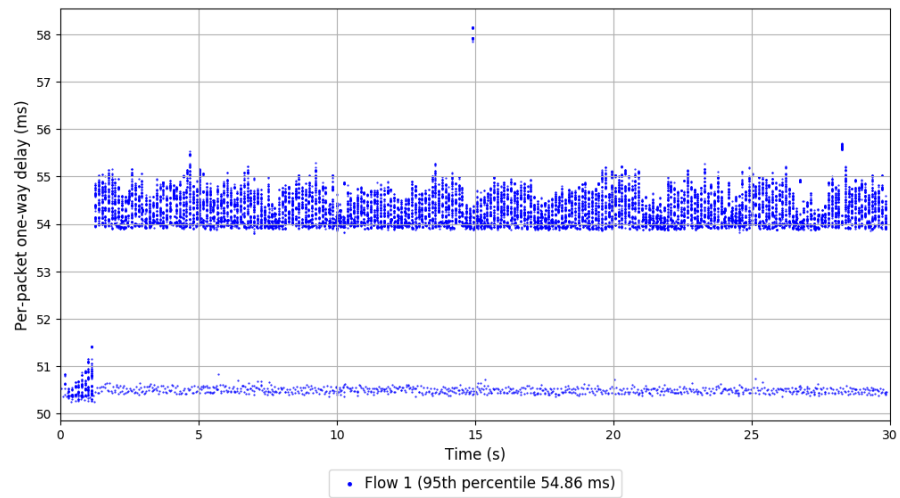
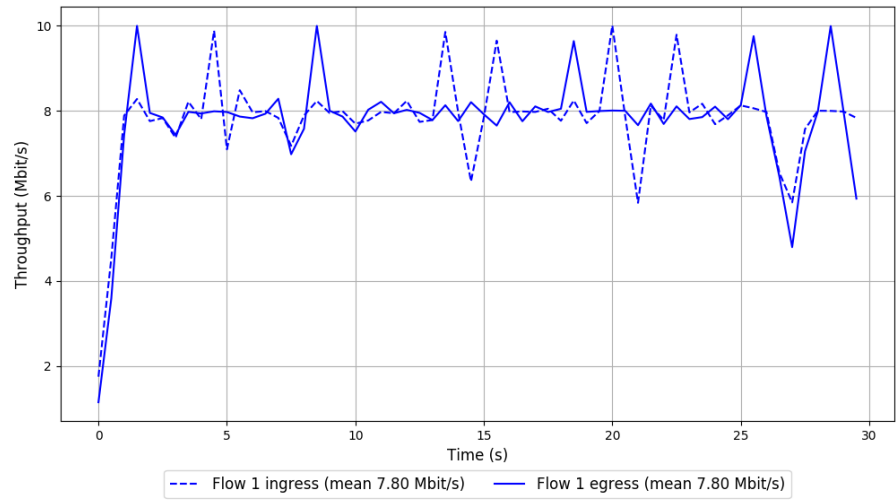
-- Flow 1:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 54.856 ms

Loss rate: 0.41%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-27 16:10:39

End at: 2018-02-27 16:11:09

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 54.852 ms

Loss rate: 0.44%

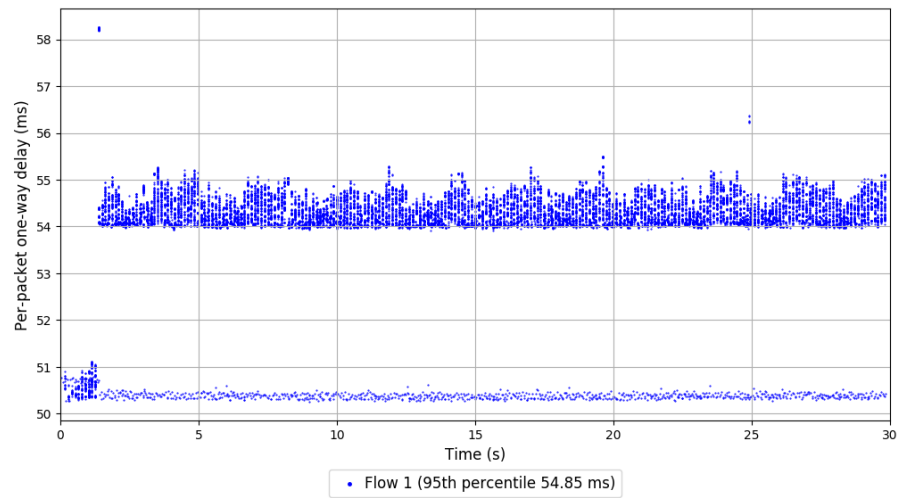
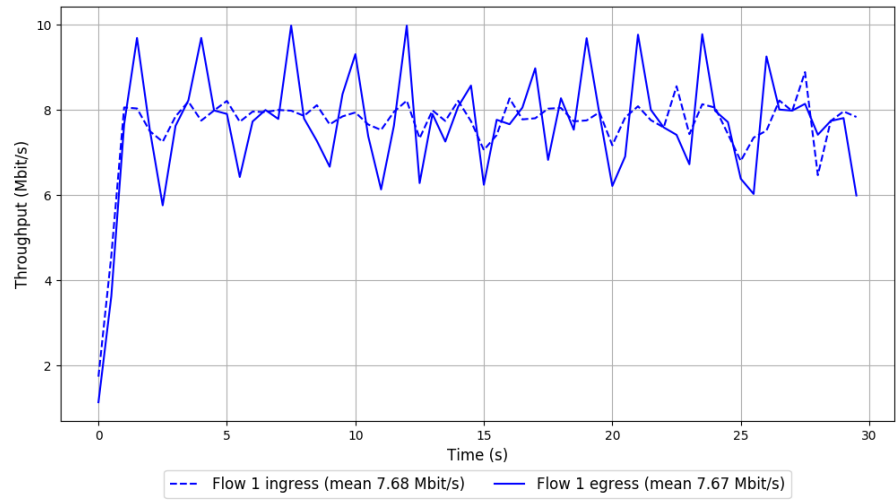
-- Flow 1:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 54.852 ms

Loss rate: 0.44%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-27 16:25:26

End at: 2018-02-27 16:25:56

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 54.009 ms

Loss rate: 0.14%

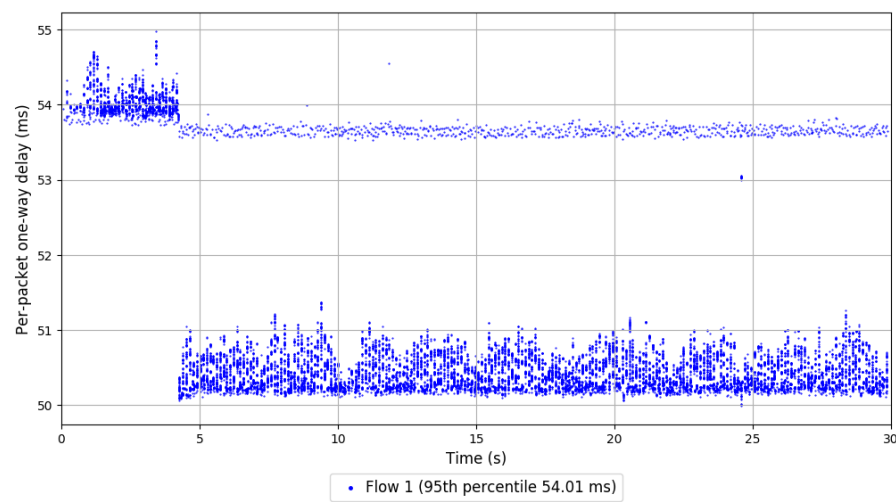
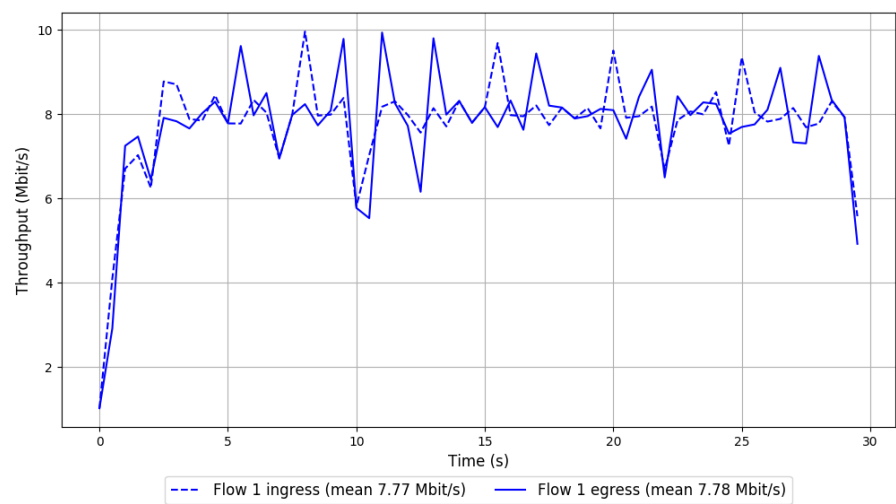
-- Flow 1:

Average throughput: 7.78 Mbit/s

95th percentile per-packet one-way delay: 54.009 ms

Loss rate: 0.14%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-27 16:39:59

End at: 2018-02-27 16:40:29

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 54.304 ms

Loss rate: 0.41%

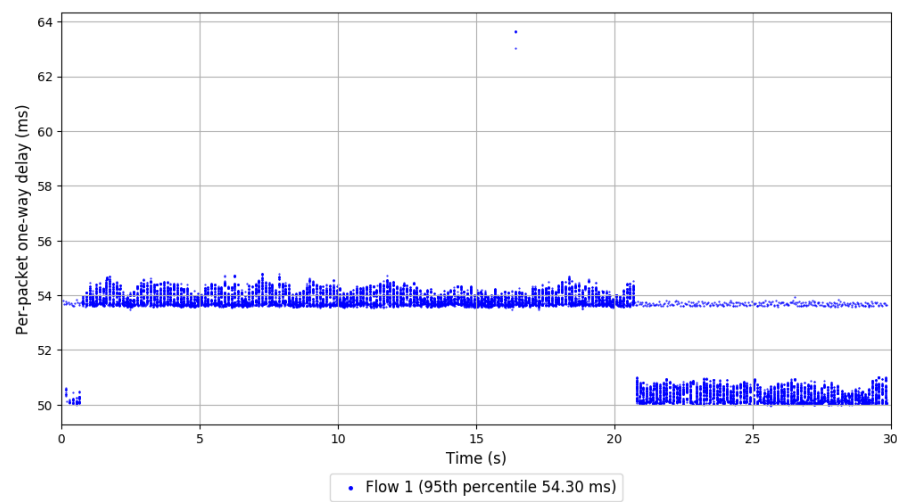
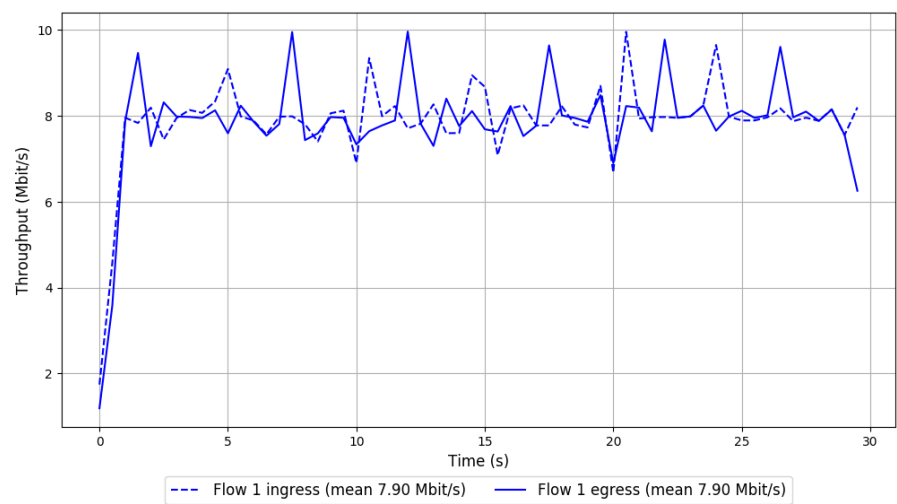
-- Flow 1:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 54.304 ms

Loss rate: 0.41%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-27 16:54:46

End at: 2018-02-27 16:55:16

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 54.468 ms

Loss rate: 0.06%

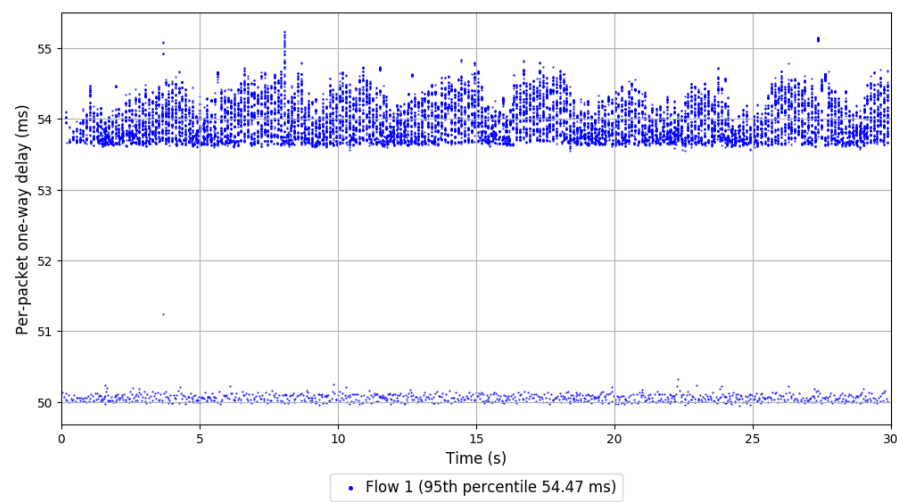
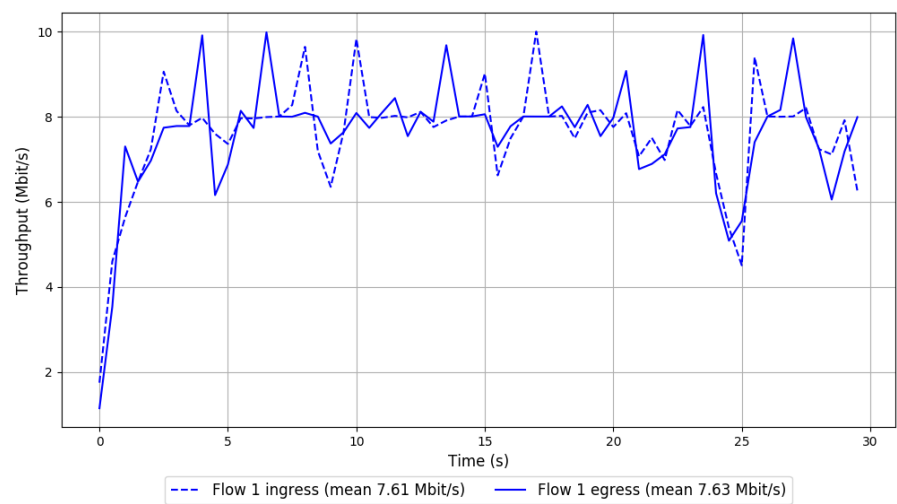
-- Flow 1:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 54.468 ms

Loss rate: 0.06%

Run 10: Report of Sprout — Data Link

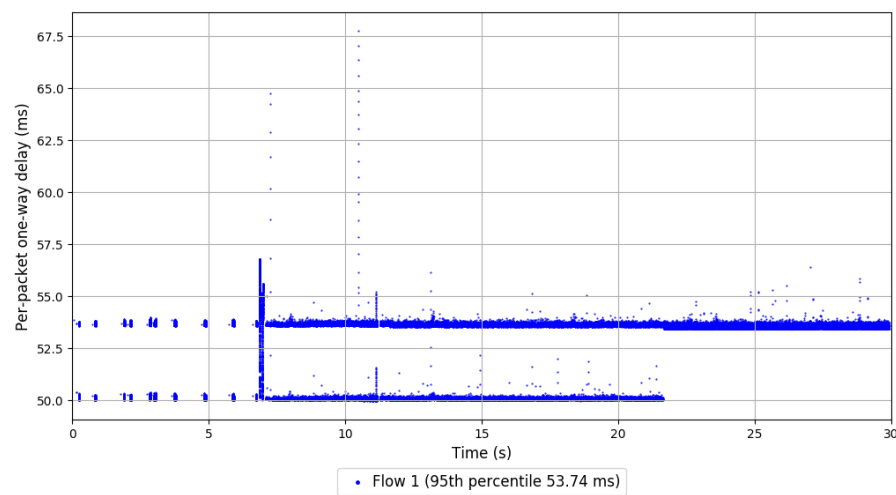
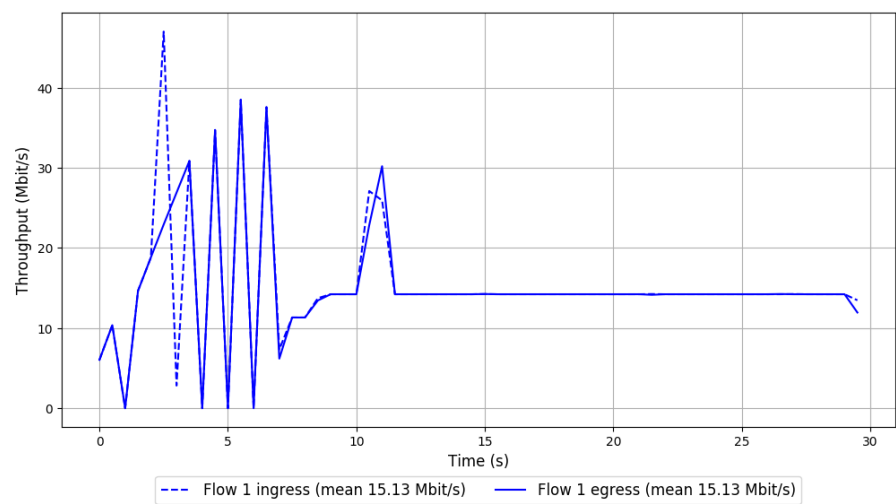


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-27 14:36:29
End at: 2018-02-27 14:36:59

# Below is generated by plot.py at 2018-02-27 19:59:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.13 Mbit/s
95th percentile per-packet one-way delay: 53.738 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 15.13 Mbit/s
95th percentile per-packet one-way delay: 53.738 ms
Loss rate: 0.34%
```


Run 1: Report of TaoVA-100x — Data Link

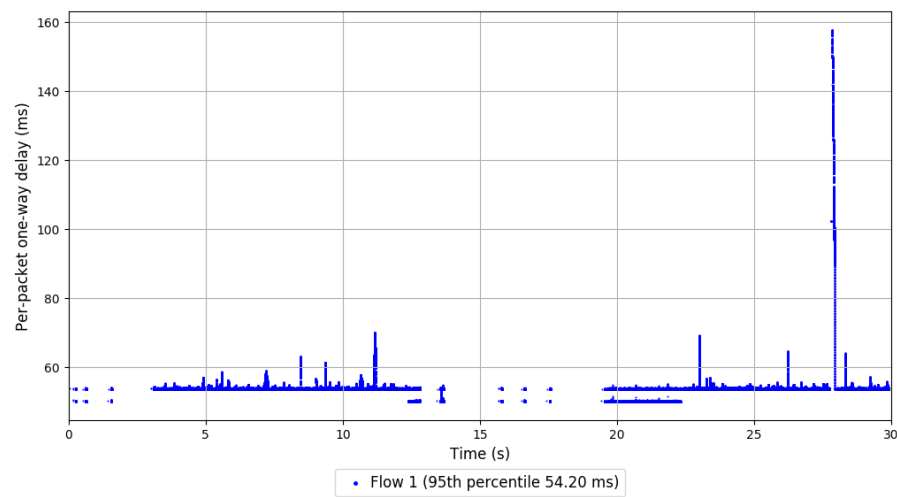
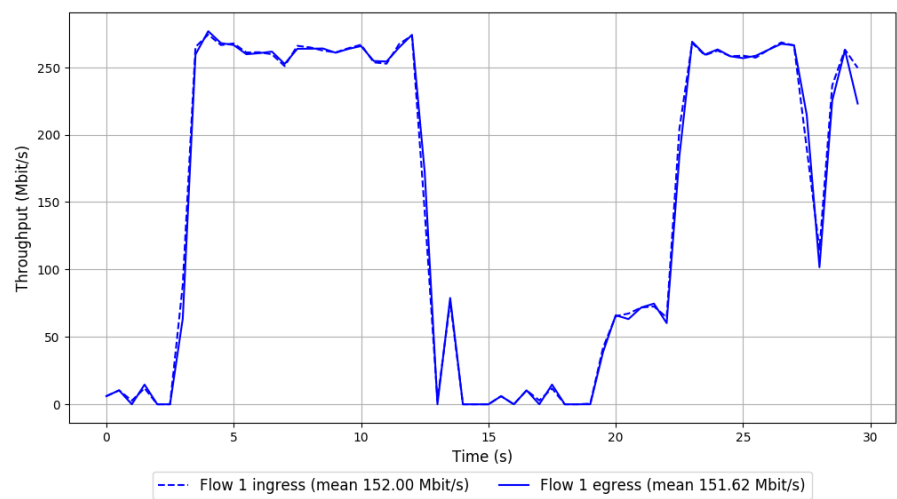


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-27 14:51:18
End at: 2018-02-27 14:51:48

# Below is generated by plot.py at 2018-02-27 19:59:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.62 Mbit/s
95th percentile per-packet one-way delay: 54.202 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 151.62 Mbit/s
95th percentile per-packet one-way delay: 54.202 ms
Loss rate: 0.60%
```

Run 2: Report of TaoVA-100x — Data Link

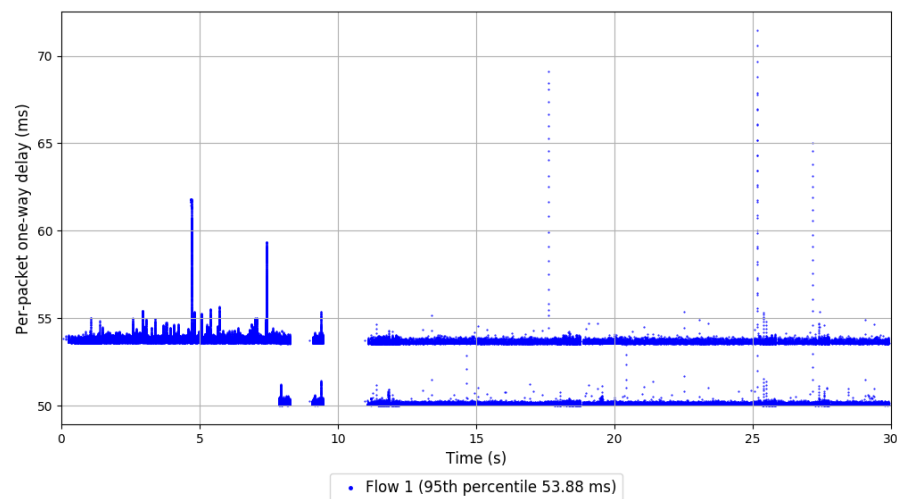
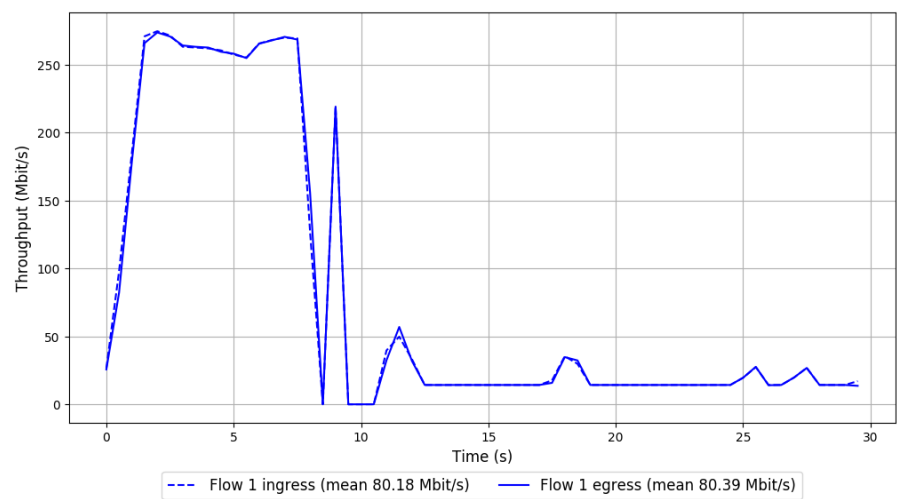


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-02-27 15:06:12
End at: 2018-02-27 15:06:42

# Below is generated by plot.py at 2018-02-27 19:59:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 53.875 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 53.875 ms
Loss rate: 0.10%
```

Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-27 15:20:45

End at: 2018-02-27 15:21:15

Below is generated by plot.py at 2018-02-27 19:59:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 53.932 ms

Loss rate: 0.11%

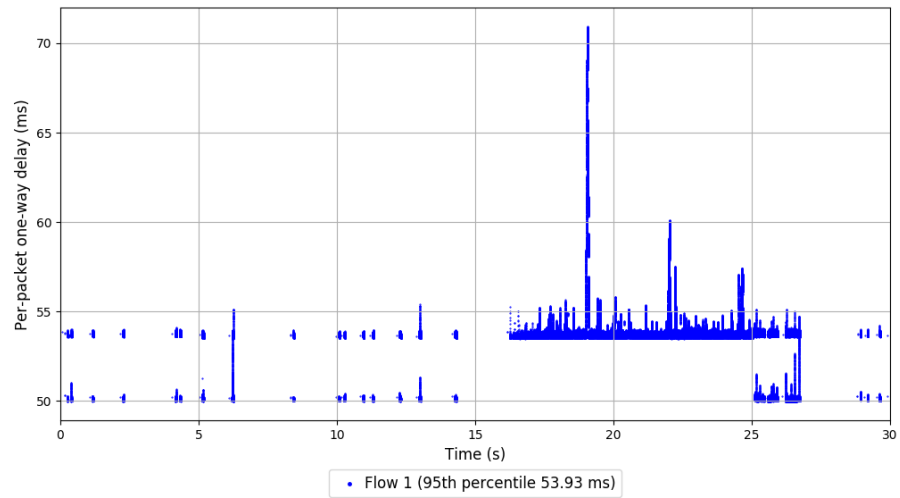
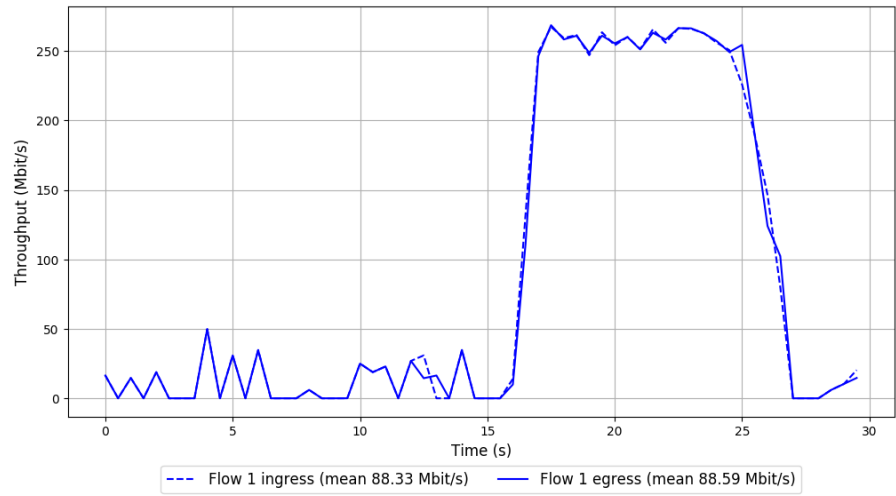
-- Flow 1:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 53.932 ms

Loss rate: 0.11%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-27 15:35:33

End at: 2018-02-27 15:36:03

Below is generated by plot.py at 2018-02-27 20:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.24 Mbit/s

95th percentile per-packet one-way delay: 53.797 ms

Loss rate: 0.38%

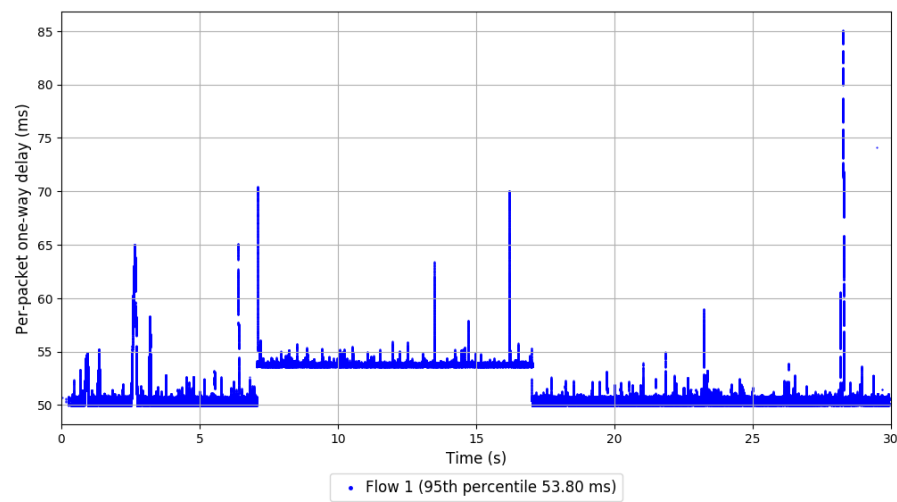
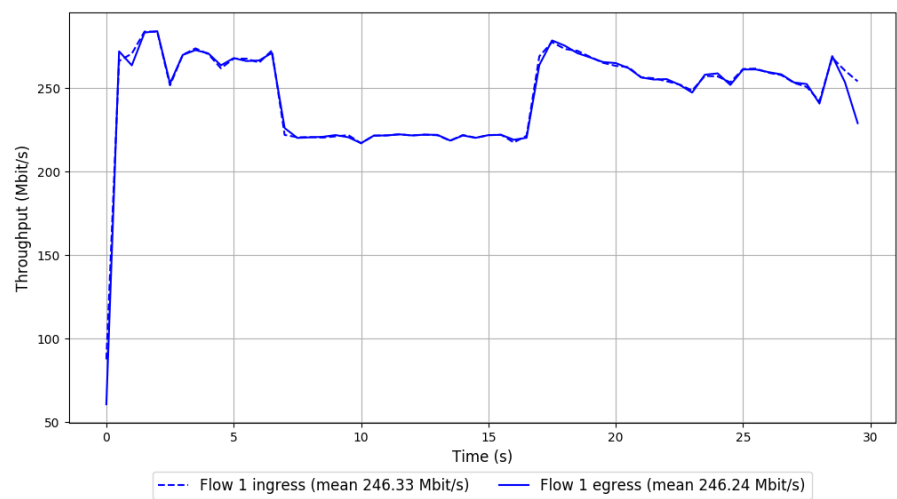
-- Flow 1:

Average throughput: 246.24 Mbit/s

95th percentile per-packet one-way delay: 53.797 ms

Loss rate: 0.38%

Run 5: Report of TaoVA-100x — Data Link



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-27 15:50:25

End at: 2018-02-27 15:50:55

Below is generated by plot.py at 2018-02-27 20:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.86 Mbit/s

95th percentile per-packet one-way delay: 54.025 ms

Loss rate: 0.37%

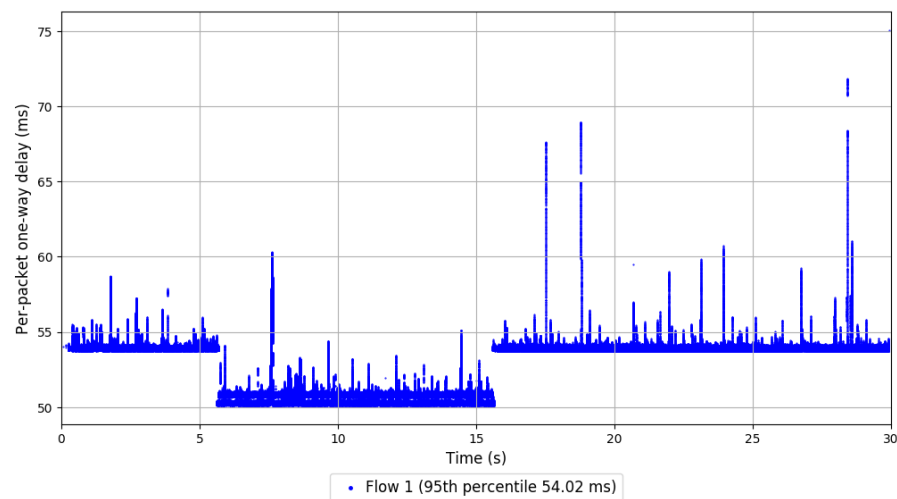
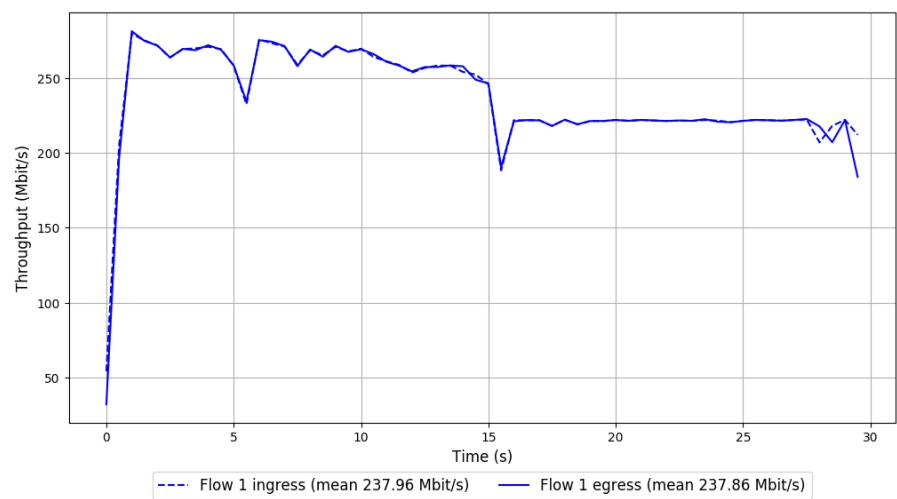
-- Flow 1:

Average throughput: 237.86 Mbit/s

95th percentile per-packet one-way delay: 54.025 ms

Loss rate: 0.37%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-27 16:05:16

End at: 2018-02-27 16:05:46

Below is generated by plot.py at 2018-02-27 20:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.97 Mbit/s

95th percentile per-packet one-way delay: 54.177 ms

Loss rate: 0.02%

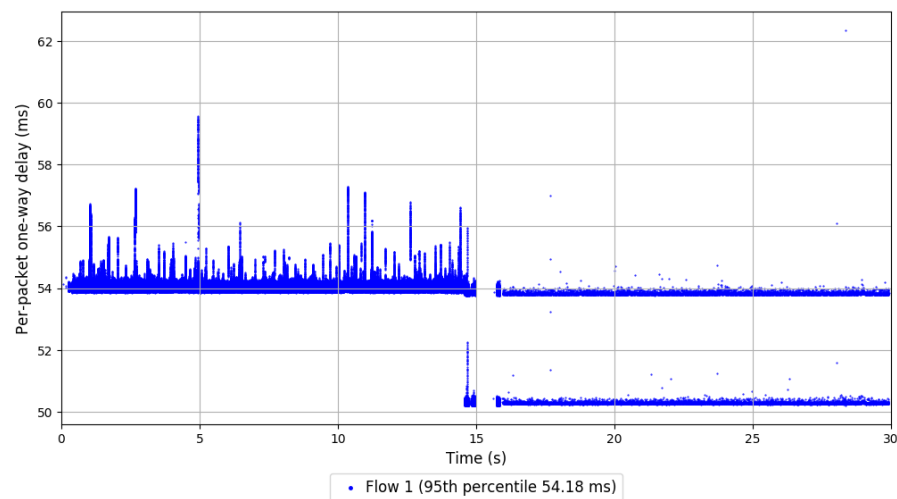
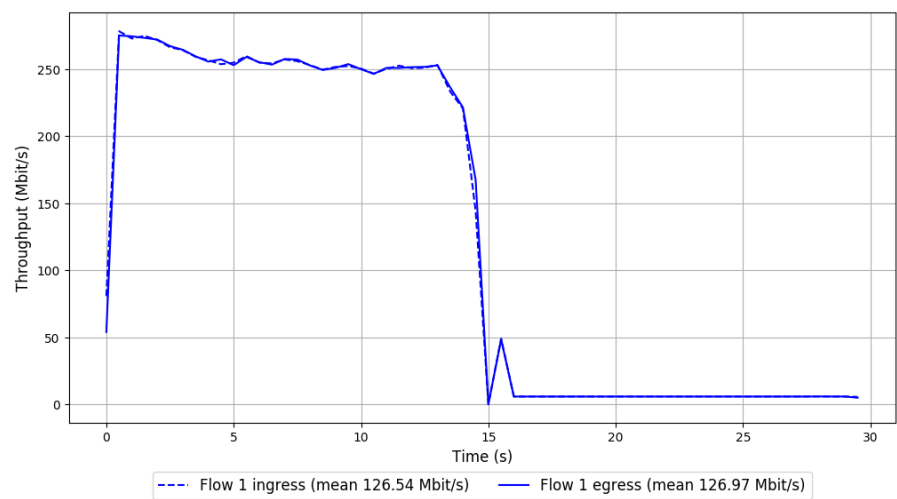
-- Flow 1:

Average throughput: 126.97 Mbit/s

95th percentile per-packet one-way delay: 54.177 ms

Loss rate: 0.02%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-27 16:19:51

End at: 2018-02-27 16:20:21

Below is generated by plot.py at 2018-02-27 20:04:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.37 Mbit/s

95th percentile per-packet one-way delay: 53.942 ms

Loss rate: 0.32%

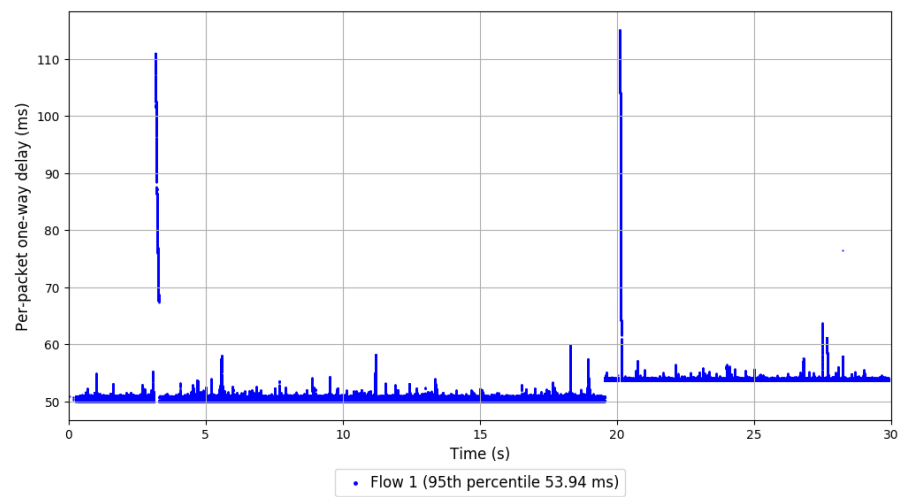
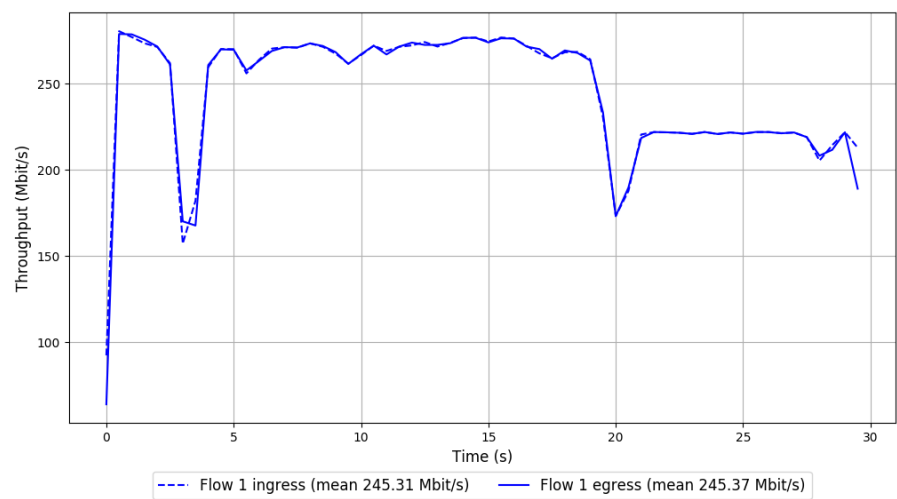
-- Flow 1:

Average throughput: 245.37 Mbit/s

95th percentile per-packet one-way delay: 53.942 ms

Loss rate: 0.32%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-27 16:34:49

End at: 2018-02-27 16:35:19

Below is generated by plot.py at 2018-02-27 20:04:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.28 Mbit/s

95th percentile per-packet one-way delay: 53.696 ms

Loss rate: 0.27%

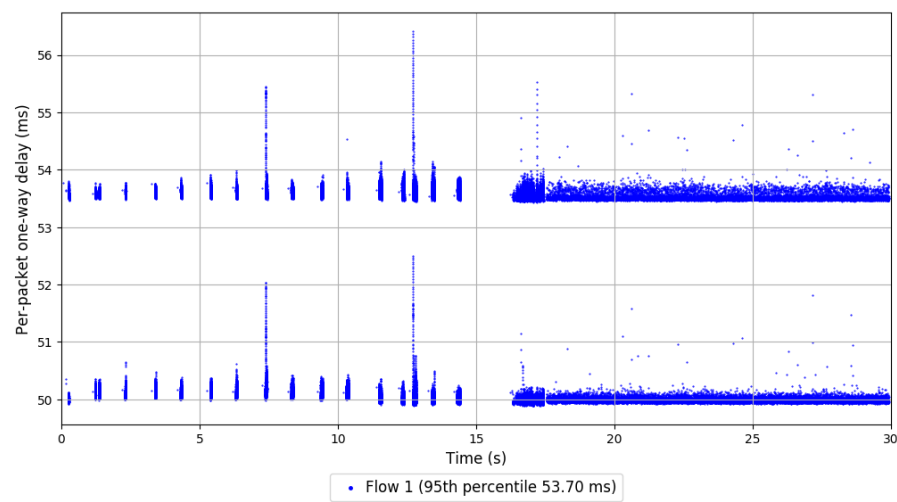
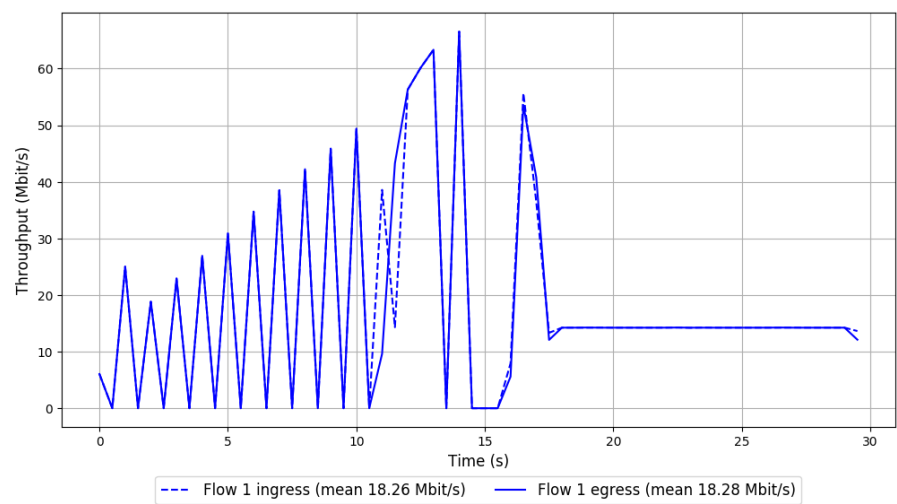
-- Flow 1:

Average throughput: 18.28 Mbit/s

95th percentile per-packet one-way delay: 53.696 ms

Loss rate: 0.27%

Run 9: Report of TaoVA-100x — Data Link

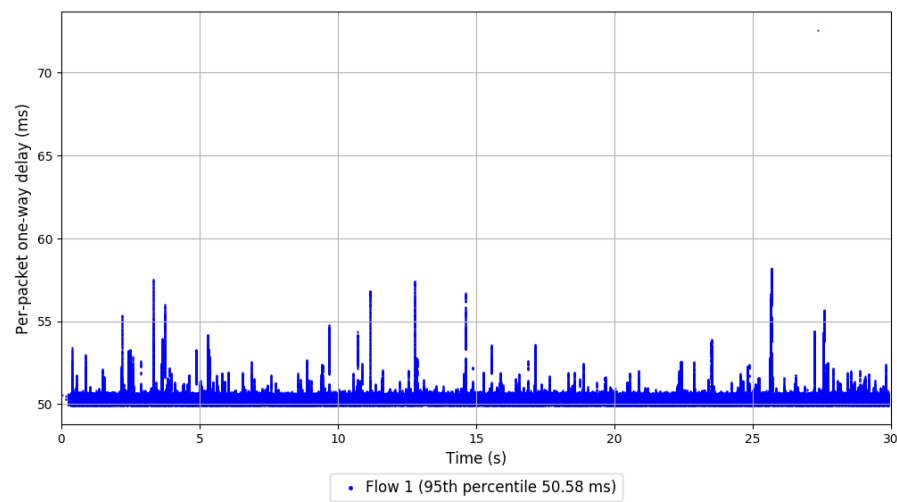
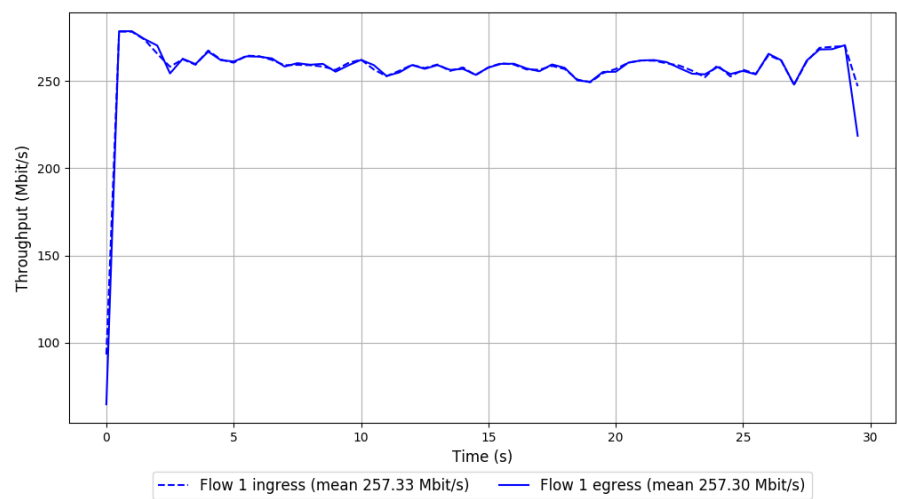


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-27 16:49:13
End at: 2018-02-27 16:49:43

# Below is generated by plot.py at 2018-02-27 20:05:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.30 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 257.30 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.36%
```

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: 2018-02-27 14:31:32

End at: 2018-02-27 14:32:02

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 54.865 ms

Loss rate: 0.22%

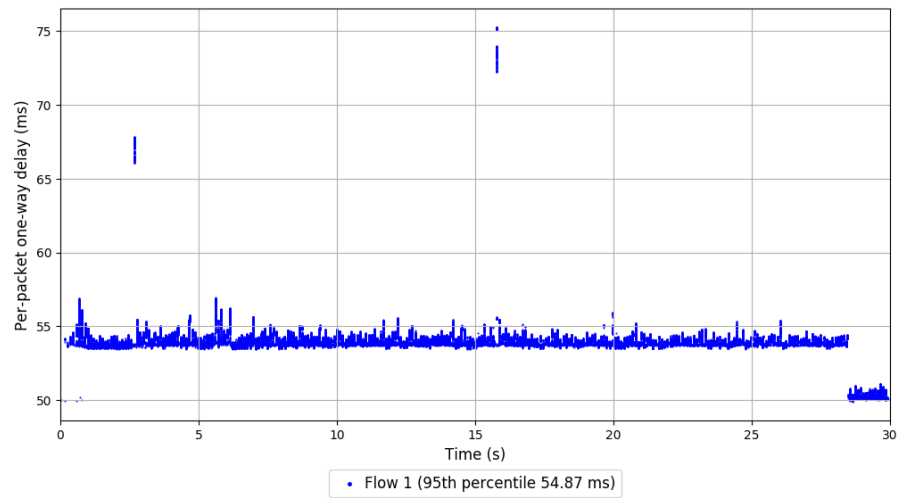
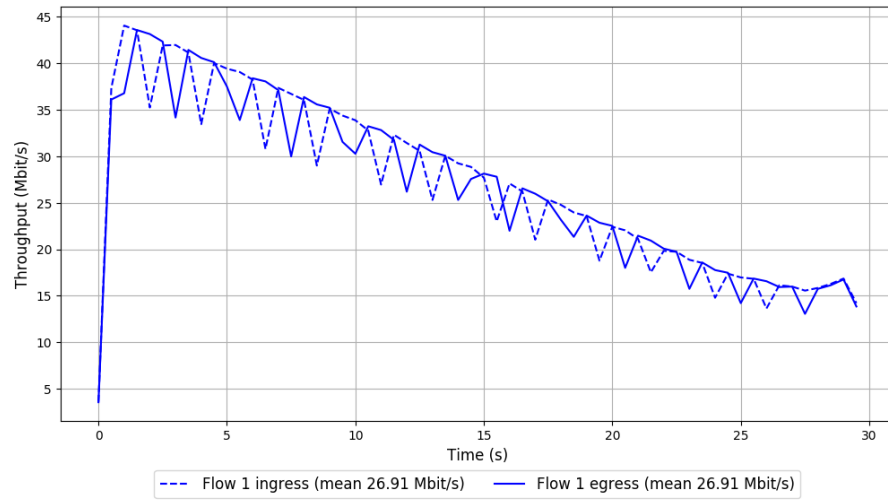
-- Flow 1:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 54.865 ms

Loss rate: 0.22%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-02-27 14:46:11

End at: 2018-02-27 14:46:41

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.22 Mbit/s

95th percentile per-packet one-way delay: 58.554 ms

Loss rate: 0.16%

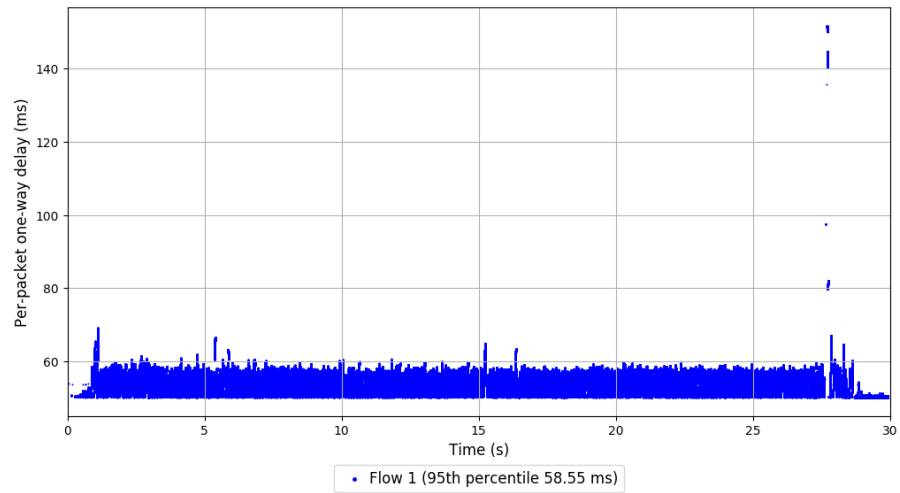
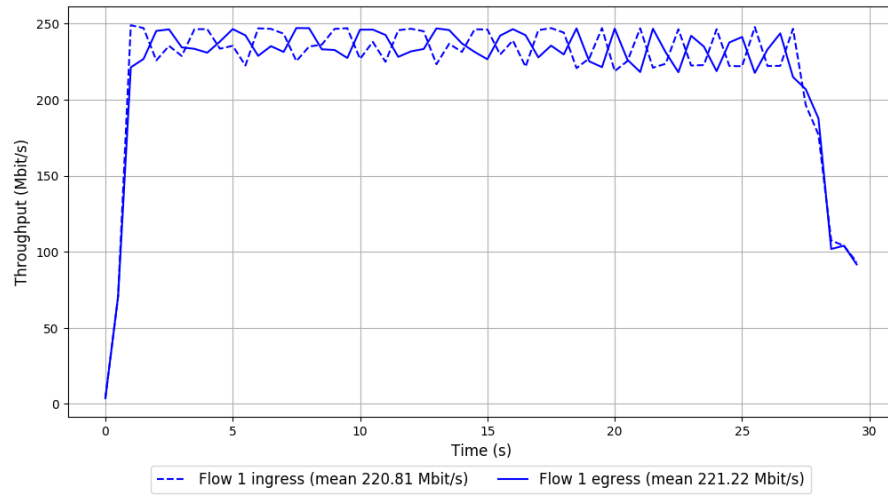
-- Flow 1:

Average throughput: 221.22 Mbit/s

95th percentile per-packet one-way delay: 58.554 ms

Loss rate: 0.16%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-27 15:01:13

End at: 2018-02-27 15:01:43

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.03 Mbit/s

95th percentile per-packet one-way delay: 61.065 ms

Loss rate: 0.37%

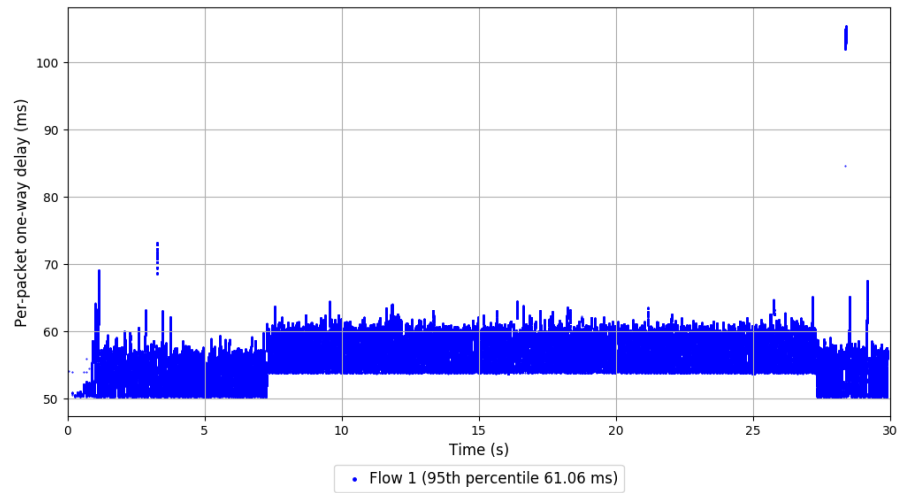
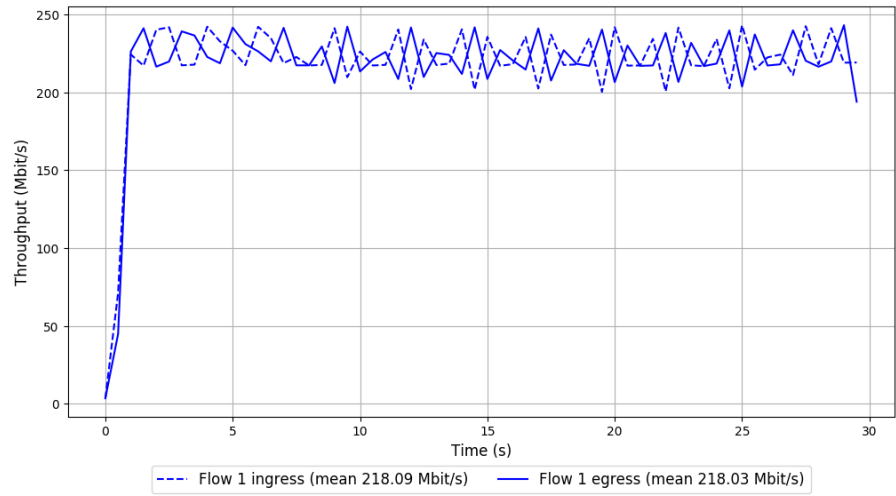
-- Flow 1:

Average throughput: 218.03 Mbit/s

95th percentile per-packet one-way delay: 61.065 ms

Loss rate: 0.37%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-27 15:15:47

End at: 2018-02-27 15:16:17

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.02 Mbit/s

95th percentile per-packet one-way delay: 54.575 ms

Loss rate: 0.35%

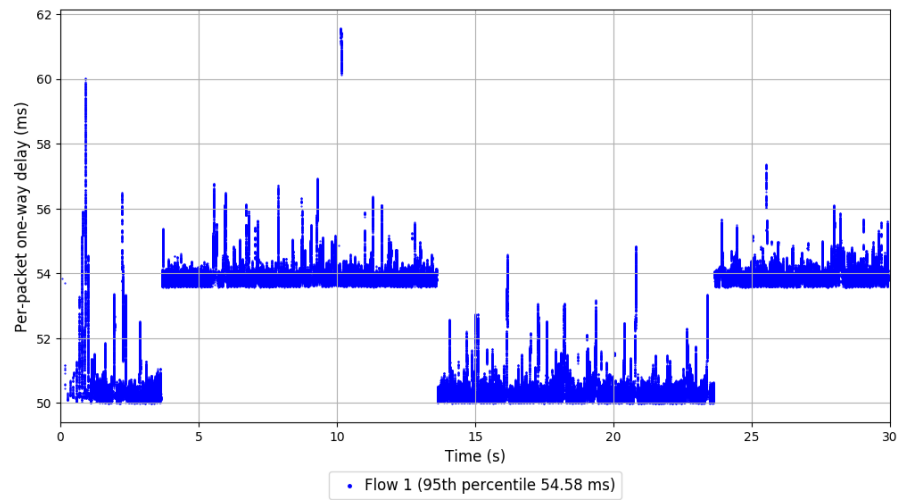
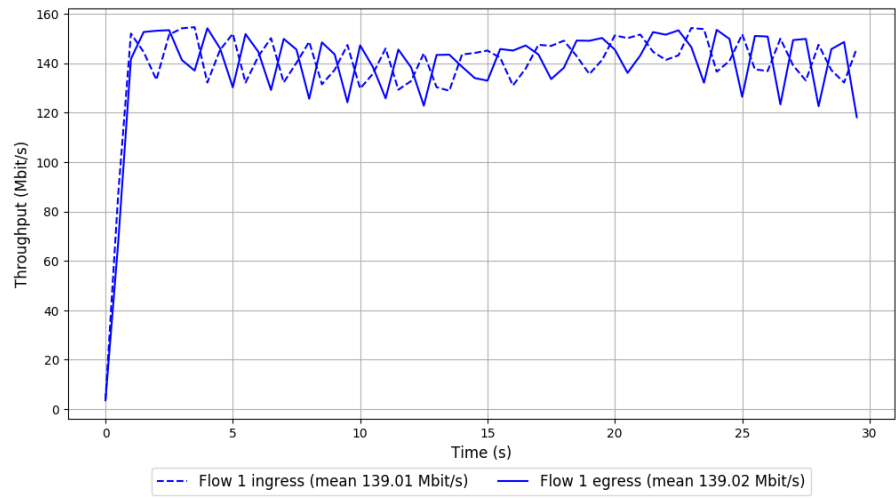
-- Flow 1:

Average throughput: 139.02 Mbit/s

95th percentile per-packet one-way delay: 54.575 ms

Loss rate: 0.35%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-27 15:30:37

End at: 2018-02-27 15:31:07

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.91 Mbit/s

95th percentile per-packet one-way delay: 54.237 ms

Loss rate: 0.37%

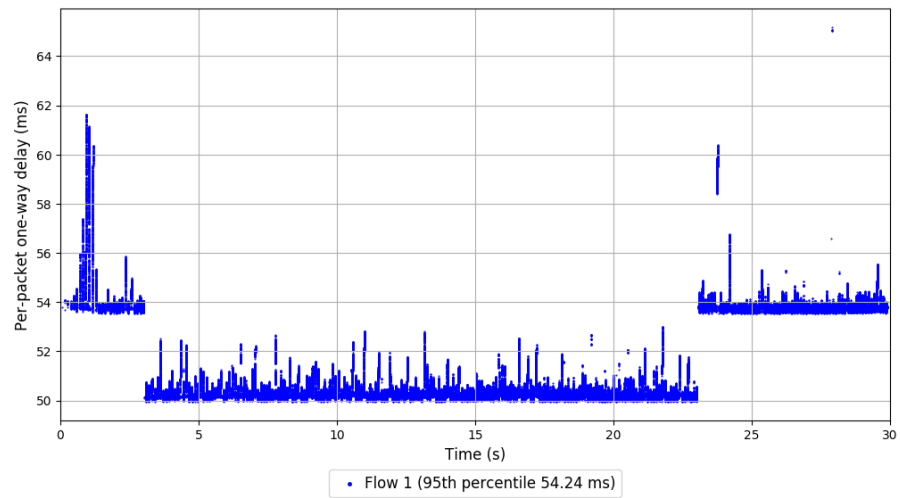
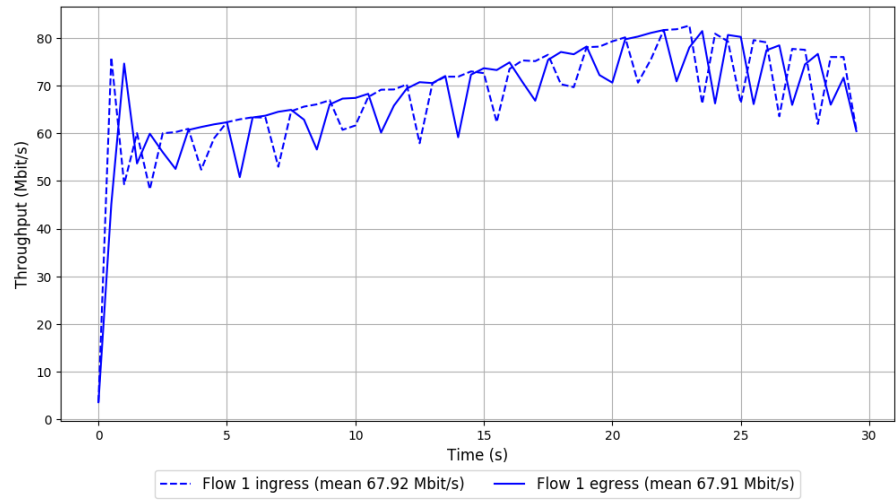
-- Flow 1:

Average throughput: 67.91 Mbit/s

95th percentile per-packet one-way delay: 54.237 ms

Loss rate: 0.37%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-27 15:45:26

End at: 2018-02-27 15:45:56

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 54.490 ms

Loss rate: 0.36%

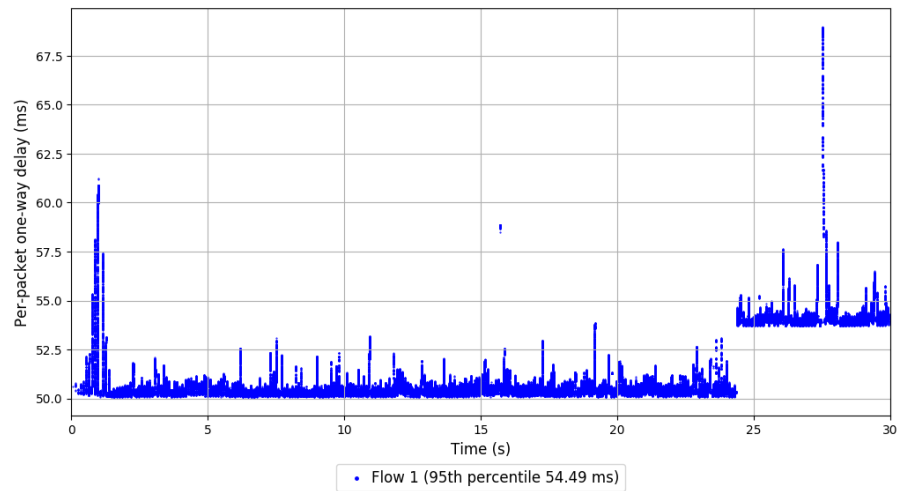
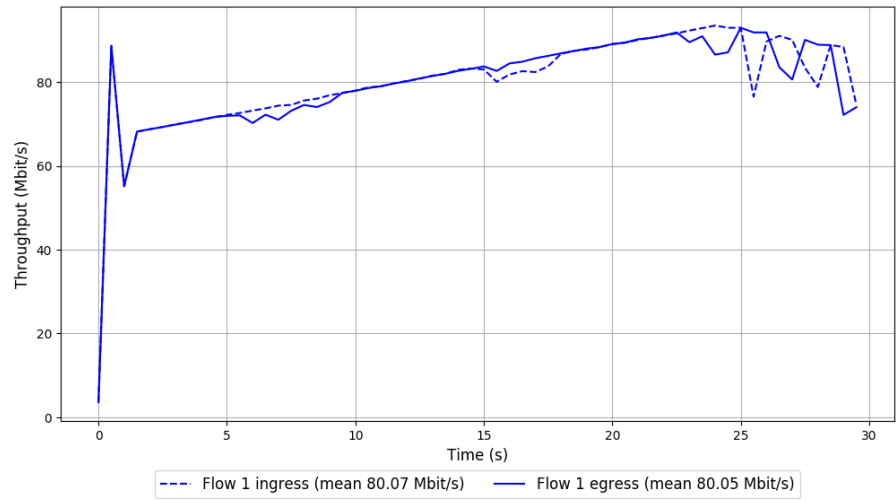
-- Flow 1:

Average throughput: 80.05 Mbit/s

95th percentile per-packet one-way delay: 54.490 ms

Loss rate: 0.36%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-27 16:00:17

End at: 2018-02-27 16:00:47

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: 61.517 ms

Loss rate: 0.23%

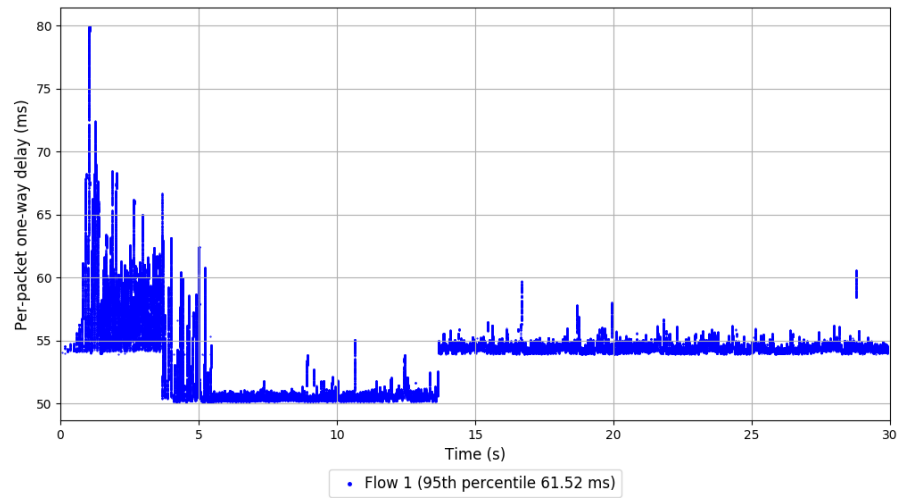
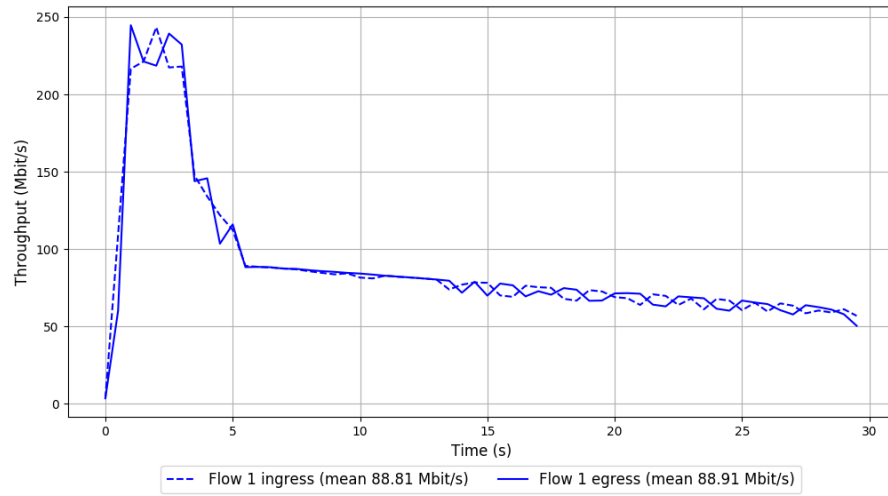
-- Flow 1:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: 61.517 ms

Loss rate: 0.23%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-27 16:14:56

End at: 2018-02-27 16:15:26

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 54.580 ms

Loss rate: 0.27%

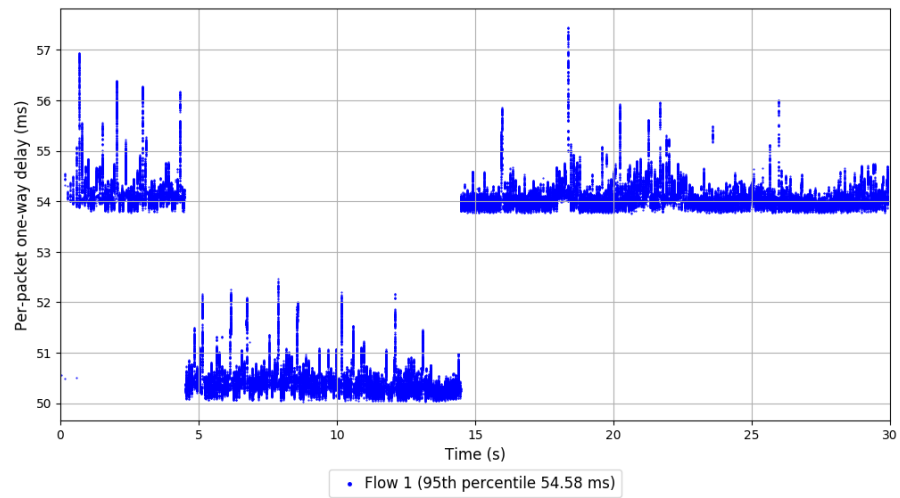
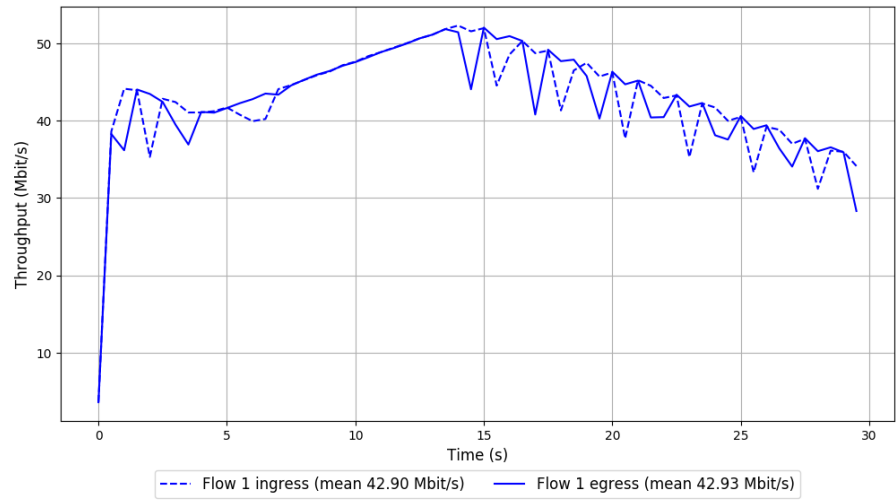
-- Flow 1:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 54.580 ms

Loss rate: 0.27%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-27 16:29:45

End at: 2018-02-27 16:30:15

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.80 Mbit/s

95th percentile per-packet one-way delay: 60.384 ms

Loss rate: 0.12%

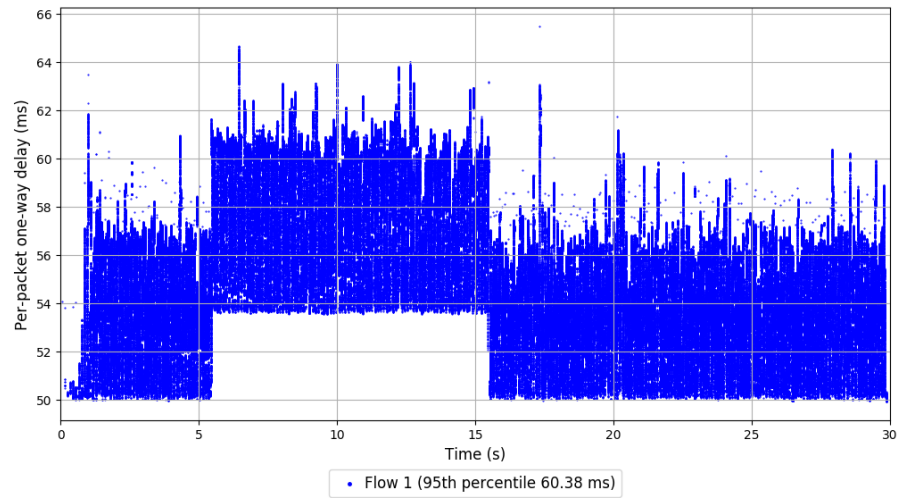
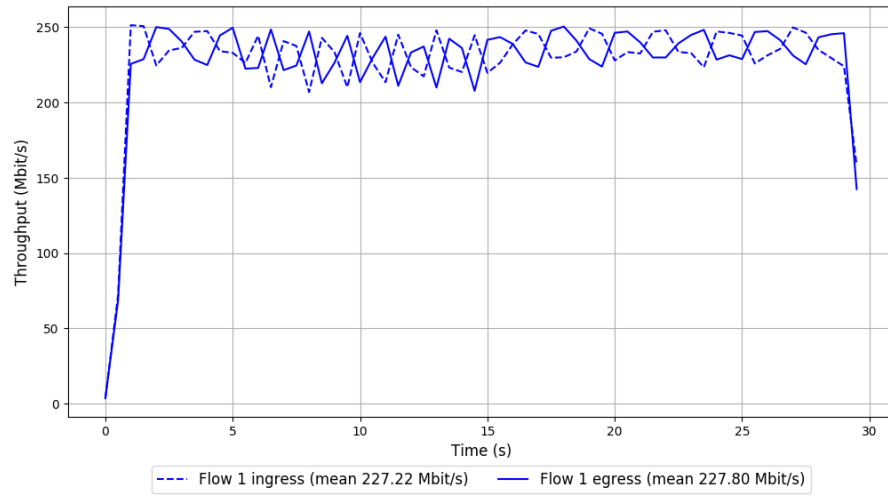
-- Flow 1:

Average throughput: 227.80 Mbit/s

95th percentile per-packet one-way delay: 60.384 ms

Loss rate: 0.12%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-27 16:44:19

End at: 2018-02-27 16:44:50

Below is generated by plot.py at 2018-02-27 20:05:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.82 Mbit/s

95th percentile per-packet one-way delay: 54.257 ms

Loss rate: 0.32%

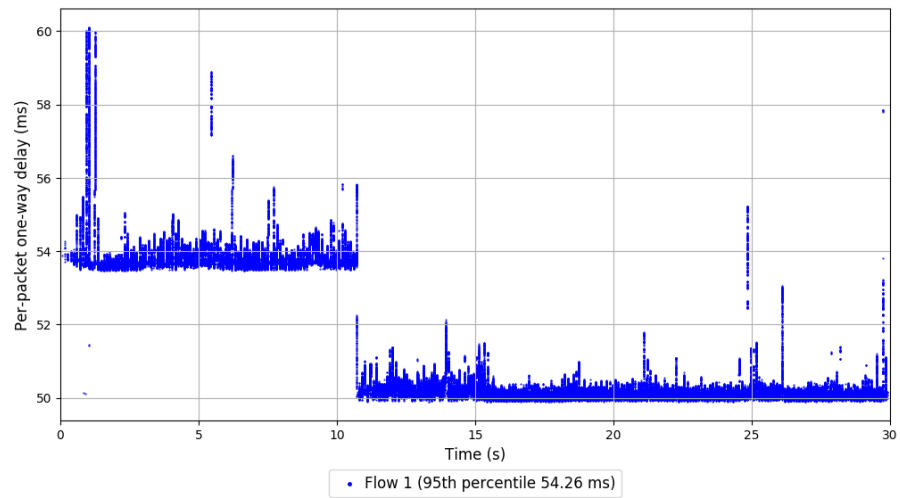
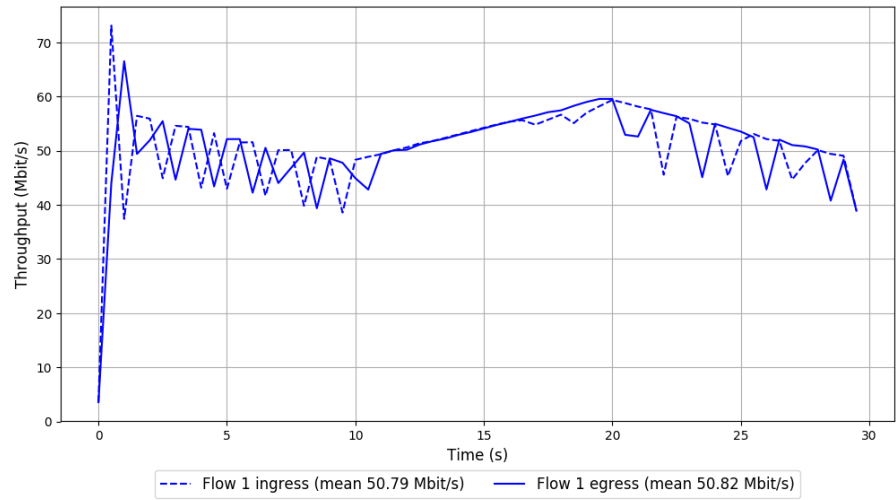
-- Flow 1:

Average throughput: 50.82 Mbit/s

95th percentile per-packet one-way delay: 54.257 ms

Loss rate: 0.32%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-27 14:38:12

End at: 2018-02-27 14:38:42

Below is generated by plot.py at 2018-02-27 20:06:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.04 Mbit/s

95th percentile per-packet one-way delay: 78.542 ms

Loss rate: 0.28%

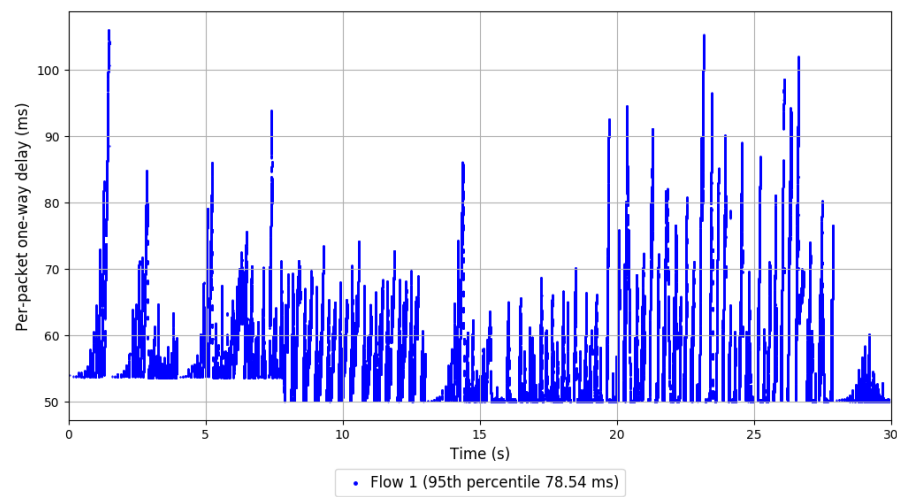
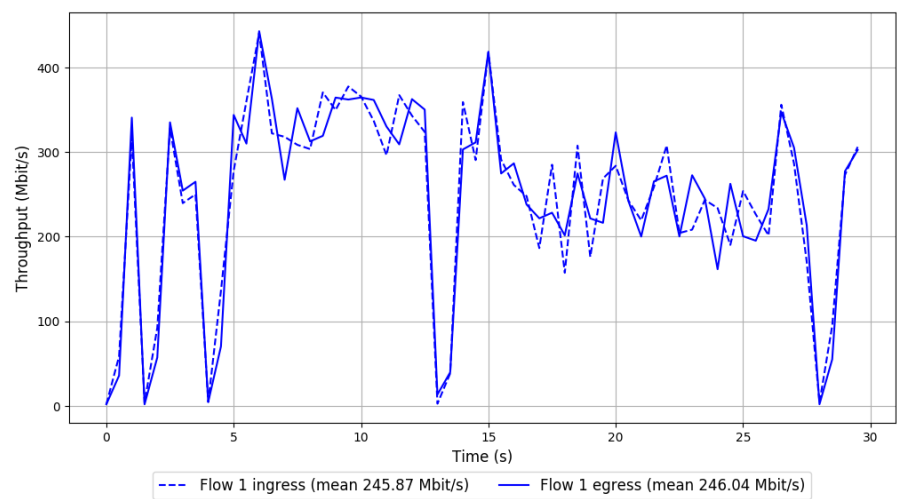
-- Flow 1:

Average throughput: 246.04 Mbit/s

95th percentile per-packet one-way delay: 78.542 ms

Loss rate: 0.28%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-27 14:53:24

End at: 2018-02-27 14:53:54

Below is generated by plot.py at 2018-02-27 20:07:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.19 Mbit/s

95th percentile per-packet one-way delay: 205.637 ms

Loss rate: 1.56%

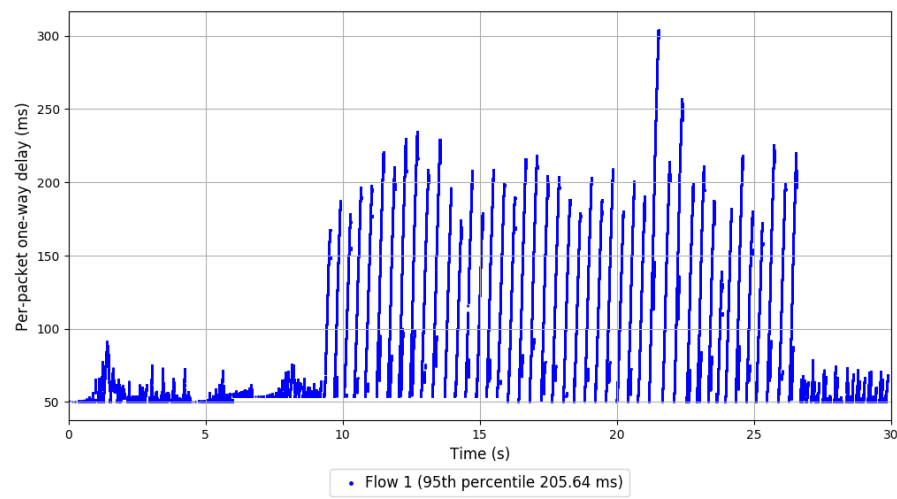
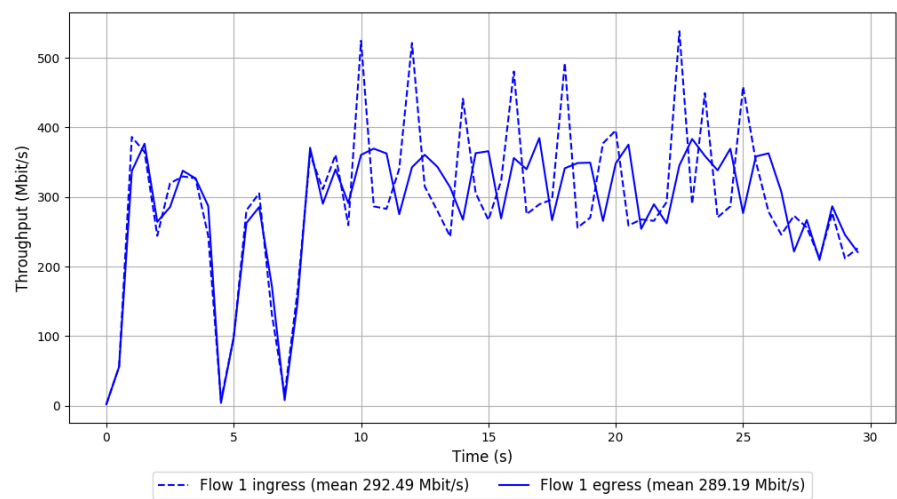
-- Flow 1:

Average throughput: 289.19 Mbit/s

95th percentile per-packet one-way delay: 205.637 ms

Loss rate: 1.56%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-27 15:08:02

End at: 2018-02-27 15:08:32

Below is generated by plot.py at 2018-02-27 20:07:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.81 Mbit/s

95th percentile per-packet one-way delay: 184.174 ms

Loss rate: 0.81%

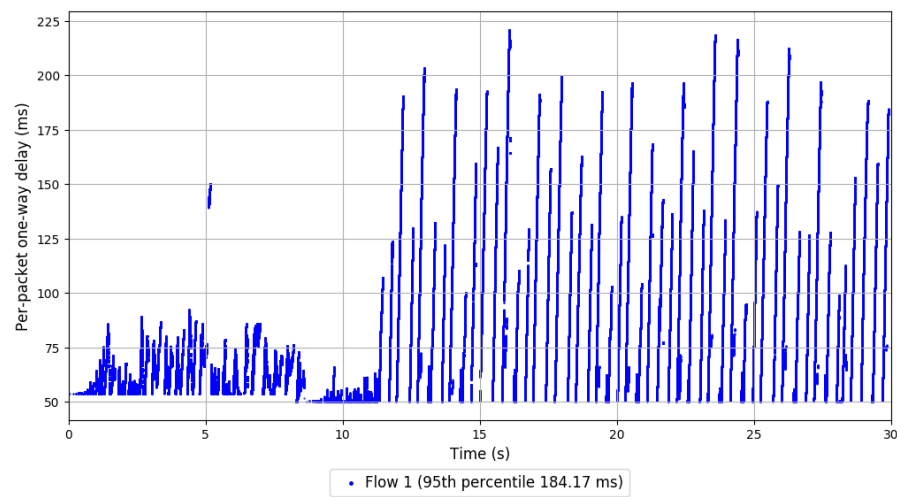
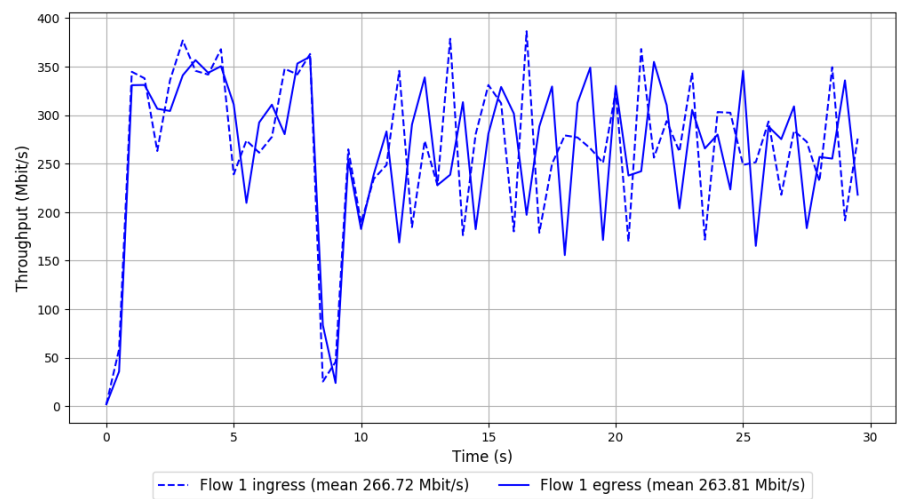
-- Flow 1:

Average throughput: 263.81 Mbit/s

95th percentile per-packet one-way delay: 184.174 ms

Loss rate: 0.81%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-27 15:22:31

End at: 2018-02-27 15:23:01

Below is generated by plot.py at 2018-02-27 20:07:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.12 Mbit/s

95th percentile per-packet one-way delay: 83.977 ms

Loss rate: 0.60%

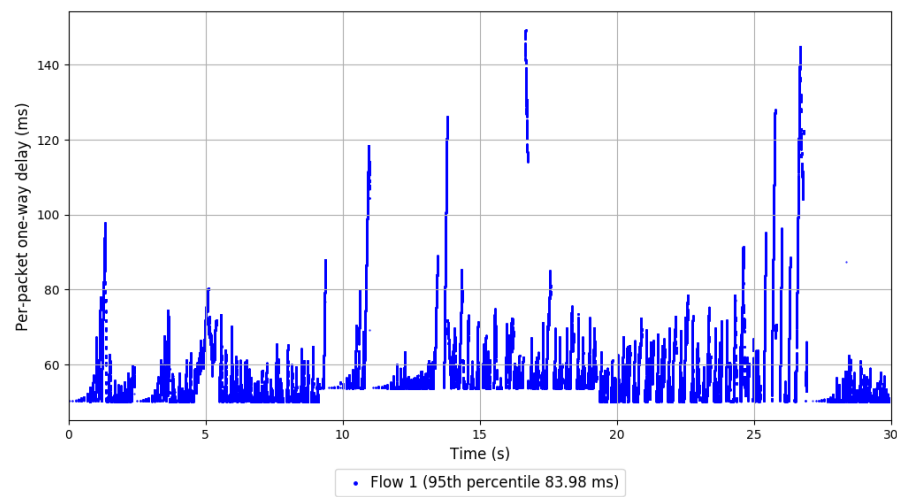
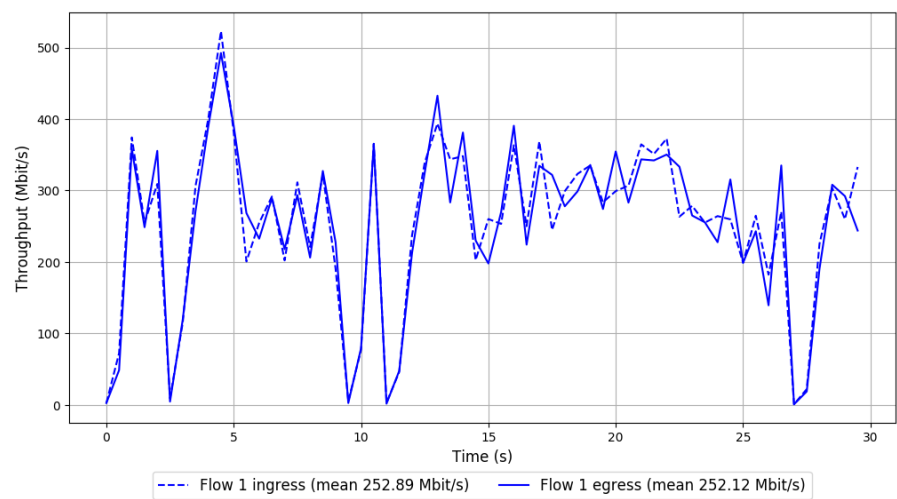
-- Flow 1:

Average throughput: 252.12 Mbit/s

95th percentile per-packet one-way delay: 83.977 ms

Loss rate: 0.60%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-27 15:37:35

End at: 2018-02-27 15:38:05

Below is generated by plot.py at 2018-02-27 20:08:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.21 Mbit/s

95th percentile per-packet one-way delay: 202.906 ms

Loss rate: 2.31%

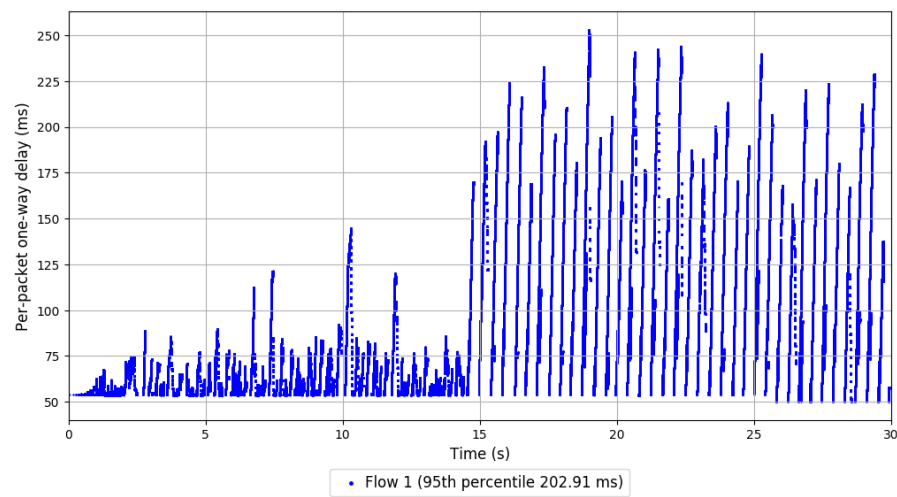
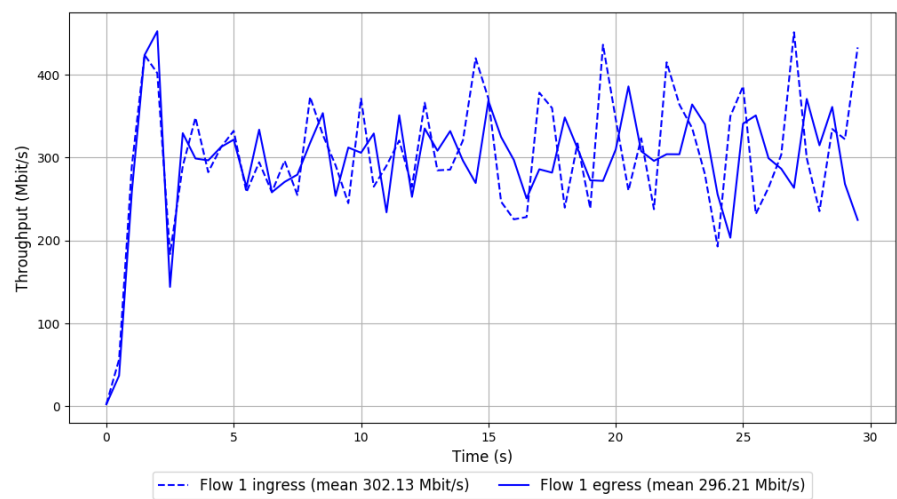
-- Flow 1:

Average throughput: 296.21 Mbit/s

95th percentile per-packet one-way delay: 202.906 ms

Loss rate: 2.31%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-02-27 15:52:27

End at: 2018-02-27 15:52:57

Below is generated by plot.py at 2018-02-27 20:09:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.24 Mbit/s

95th percentile per-packet one-way delay: 83.835 ms

Loss rate: 0.65%

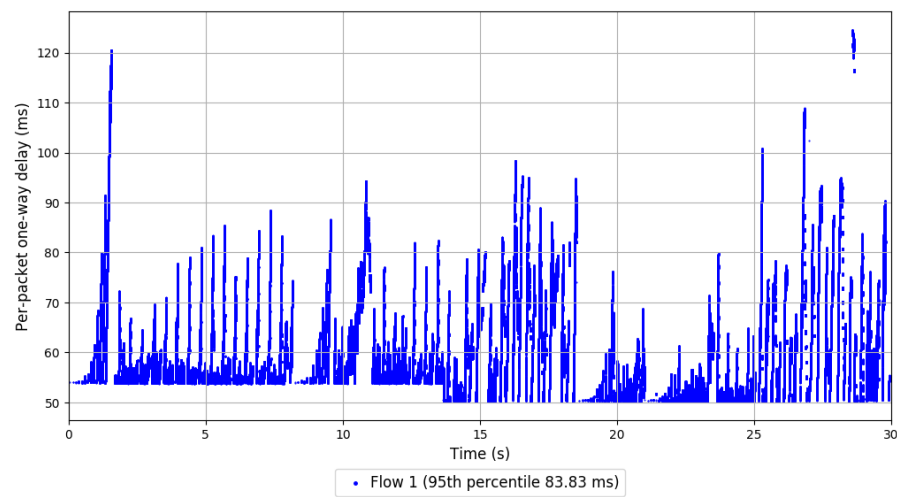
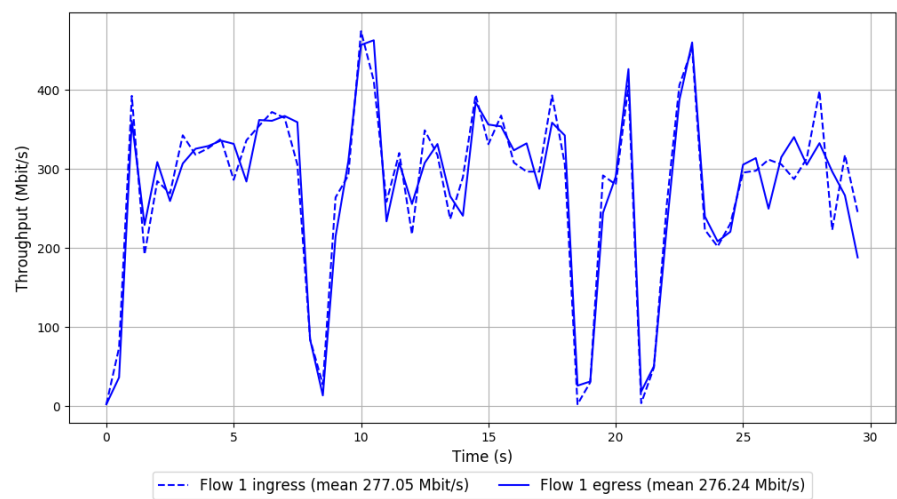
-- Flow 1:

Average throughput: 276.24 Mbit/s

95th percentile per-packet one-way delay: 83.835 ms

Loss rate: 0.65%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-27 16:07:07

End at: 2018-02-27 16:07:37

Below is generated by plot.py at 2018-02-27 20:09:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.41 Mbit/s

95th percentile per-packet one-way delay: 69.258 ms

Loss rate: 0.00%

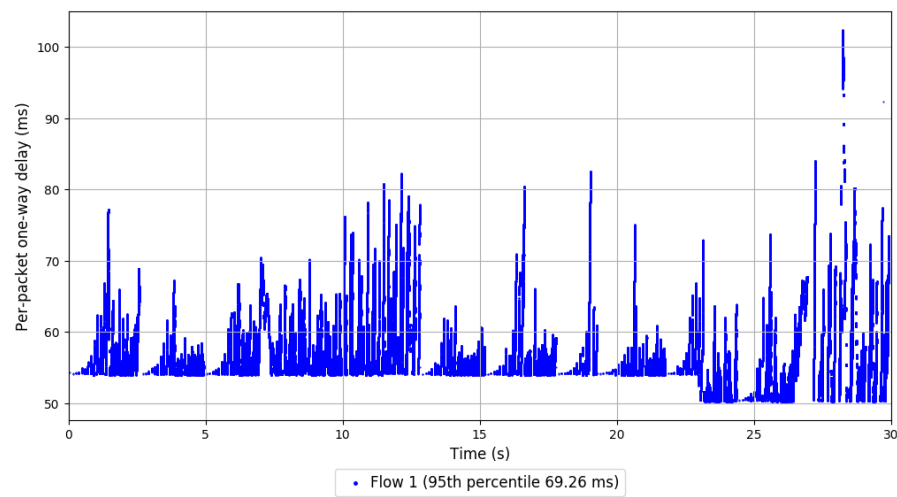
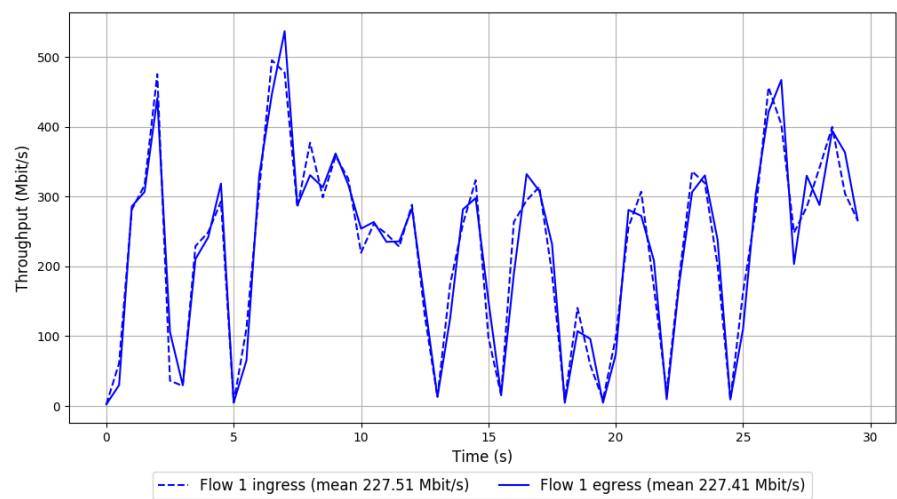
-- Flow 1:

Average throughput: 227.41 Mbit/s

95th percentile per-packet one-way delay: 69.258 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-27 16:21:53

End at: 2018-02-27 16:22:23

Below is generated by plot.py at 2018-02-27 20:10:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.11 Mbit/s

95th percentile per-packet one-way delay: 70.143 ms

Loss rate: 0.65%

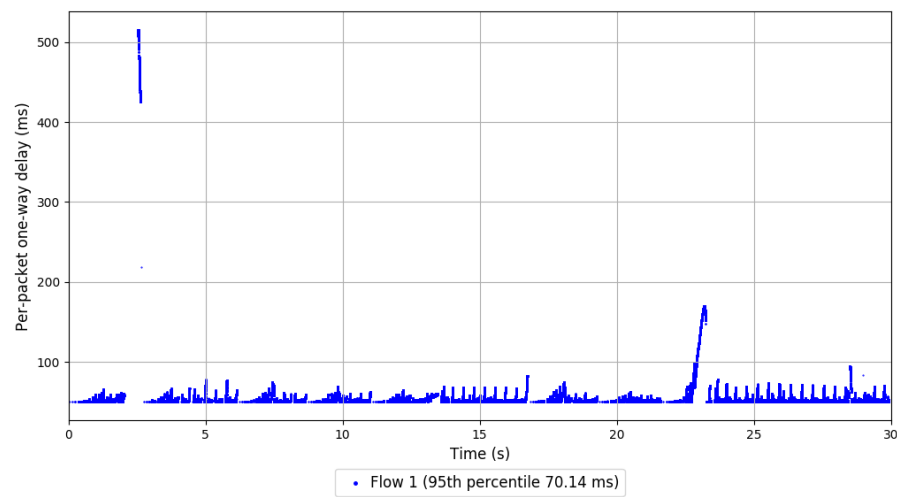
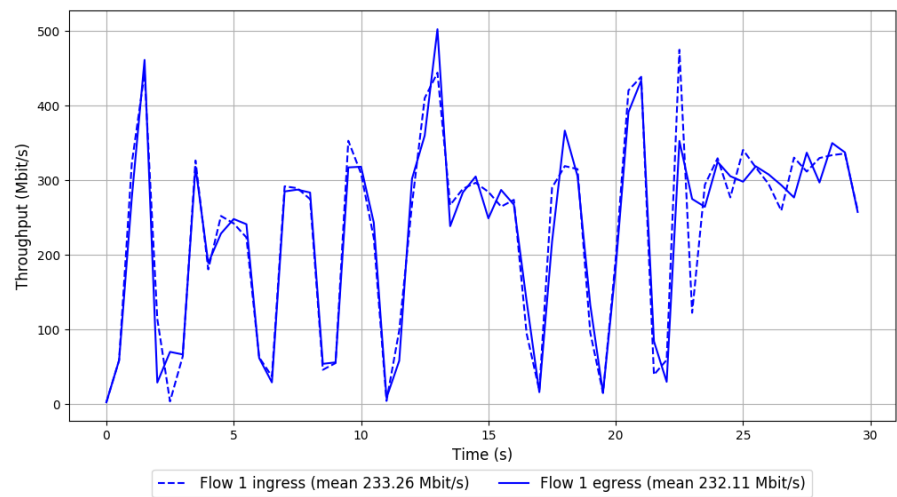
-- Flow 1:

Average throughput: 232.11 Mbit/s

95th percentile per-packet one-way delay: 70.143 ms

Loss rate: 0.65%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-02-27 16:36:29

End at: 2018-02-27 16:36:59

Below is generated by plot.py at 2018-02-27 20:10:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.12 Mbit/s

95th percentile per-packet one-way delay: 77.131 ms

Loss rate: 0.51%

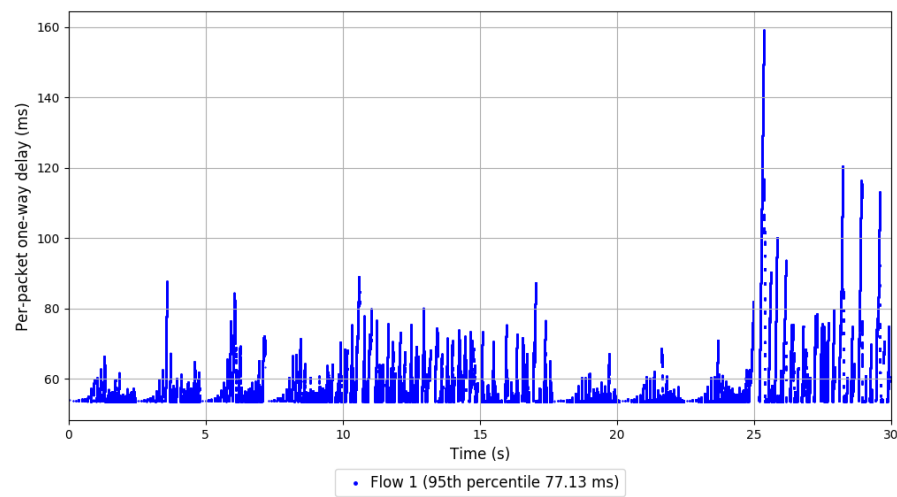
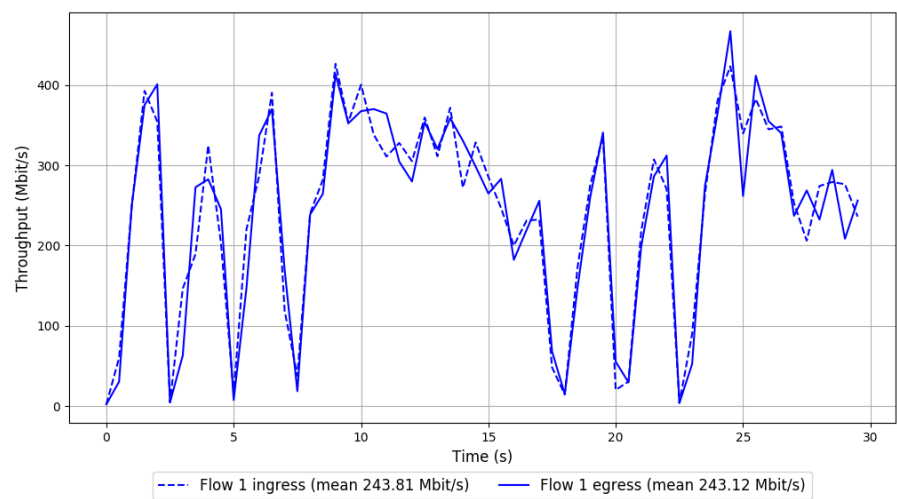
-- Flow 1:

Average throughput: 243.12 Mbit/s

95th percentile per-packet one-way delay: 77.131 ms

Loss rate: 0.51%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-27 16:51:15

End at: 2018-02-27 16:51:45

Below is generated by plot.py at 2018-02-27 20:11:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.22 Mbit/s

95th percentile per-packet one-way delay: 76.125 ms

Loss rate: 0.10%

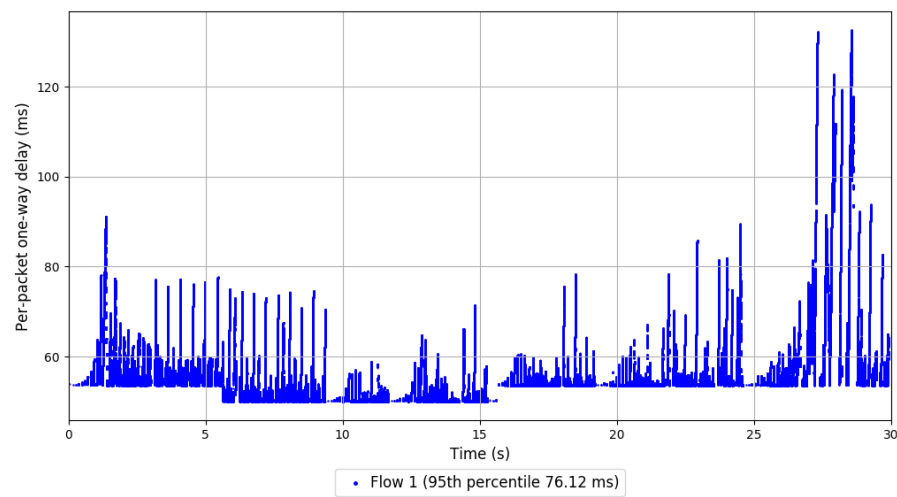
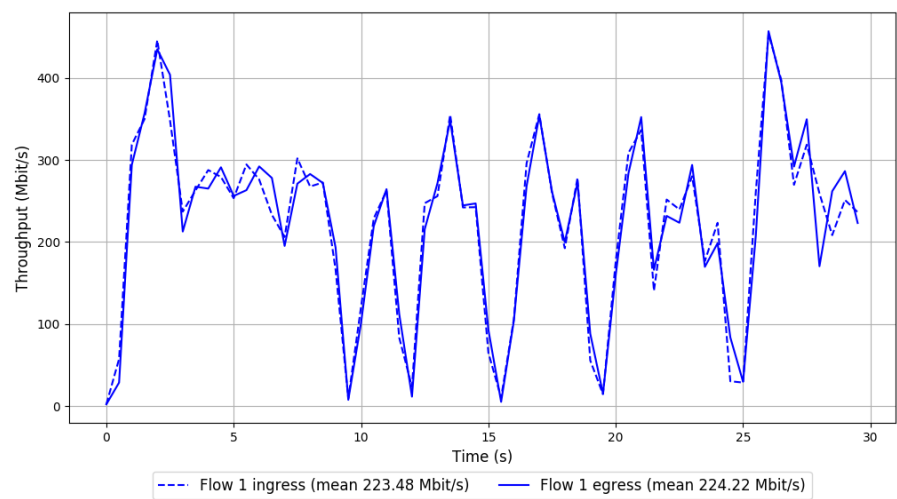
-- Flow 1:

Average throughput: 224.22 Mbit/s

95th percentile per-packet one-way delay: 76.125 ms

Loss rate: 0.10%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-27 14:39:41

End at: 2018-02-27 14:40:11

Below is generated by plot.py at 2018-02-27 20:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.91 Mbit/s

95th percentile per-packet one-way delay: 238.164 ms

Loss rate: 34.86%

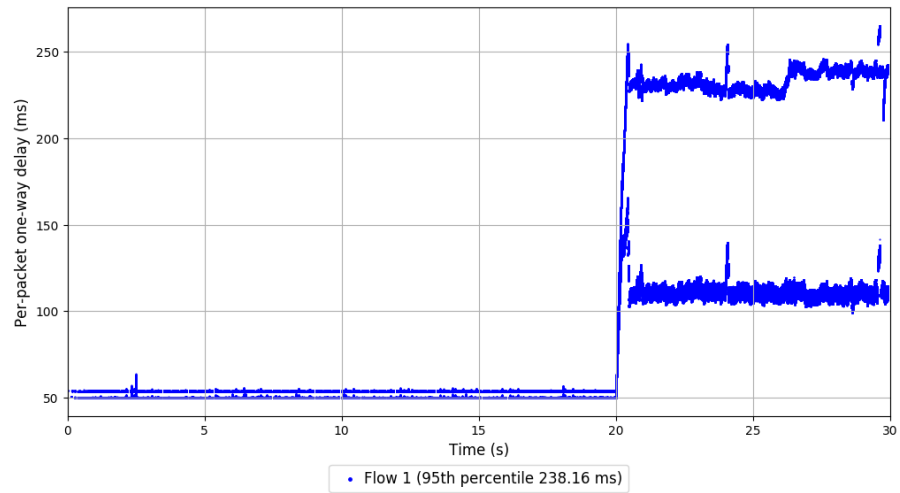
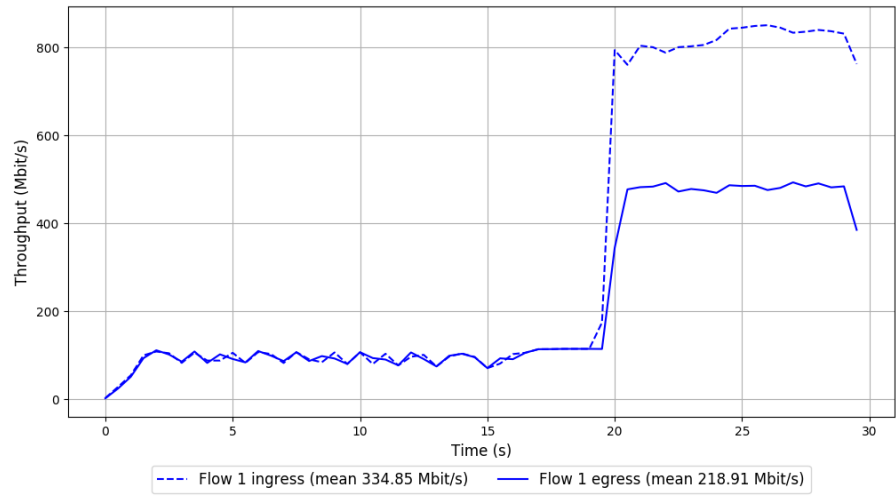
-- Flow 1:

Average throughput: 218.91 Mbit/s

95th percentile per-packet one-way delay: 238.164 ms

Loss rate: 34.86%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-27 14:54:56

End at: 2018-02-27 14:55:26

Below is generated by plot.py at 2018-02-27 20:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 53.735 ms

Loss rate: 0.34%

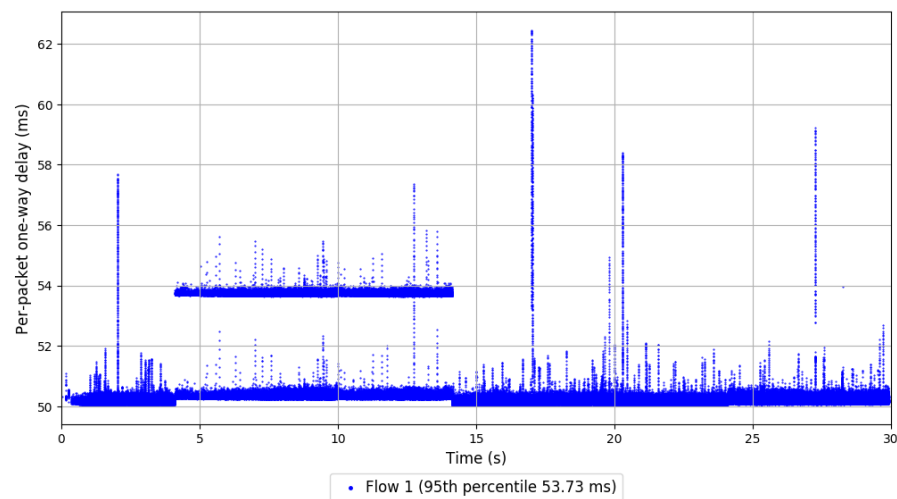
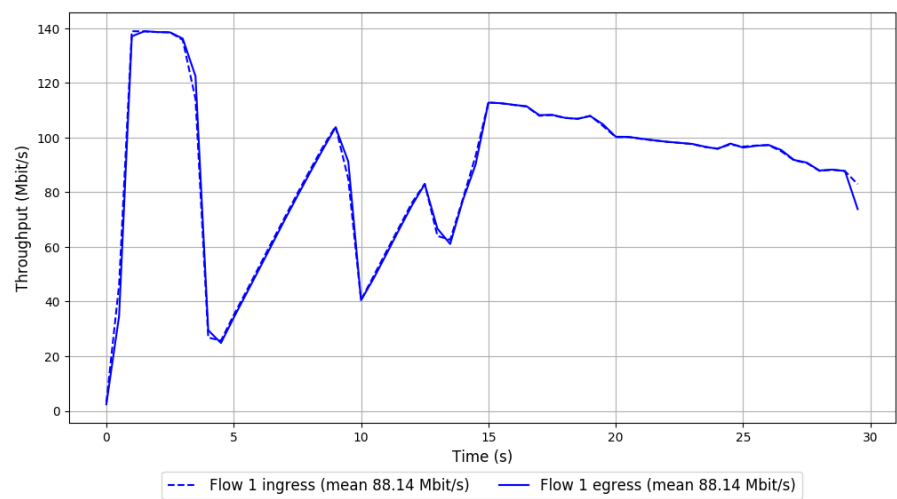
-- Flow 1:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 53.735 ms

Loss rate: 0.34%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-27 15:09:32

End at: 2018-02-27 15:10:02

Below is generated by plot.py at 2018-02-27 20:15:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 53.894 ms

Loss rate: 0.30%

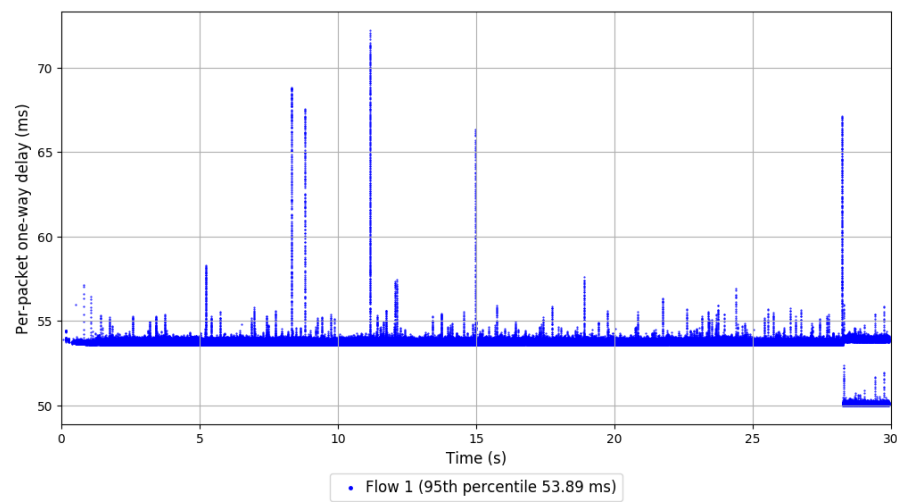
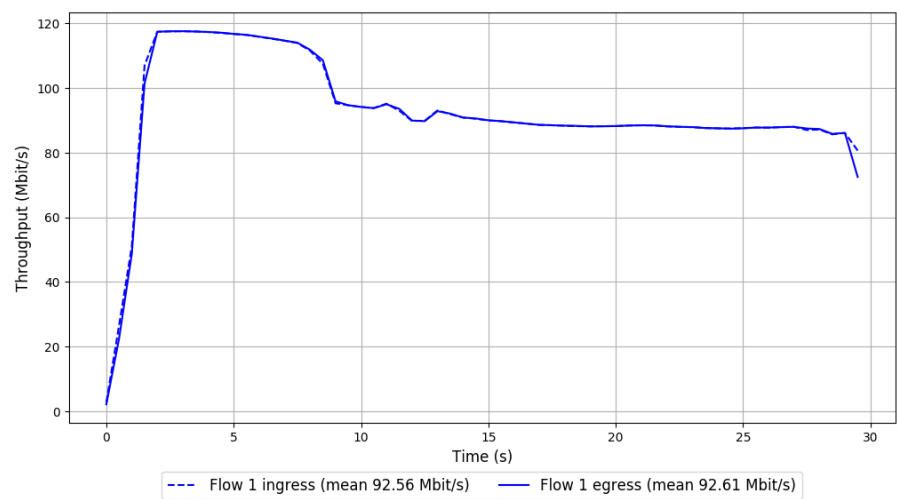
-- Flow 1:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 53.894 ms

Loss rate: 0.30%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-27 15:24:00

End at: 2018-02-27 15:24:30

Below is generated by plot.py at 2018-02-27 20:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 309.80 Mbit/s

95th percentile per-packet one-way delay: 235.052 ms

Loss rate: 37.85%

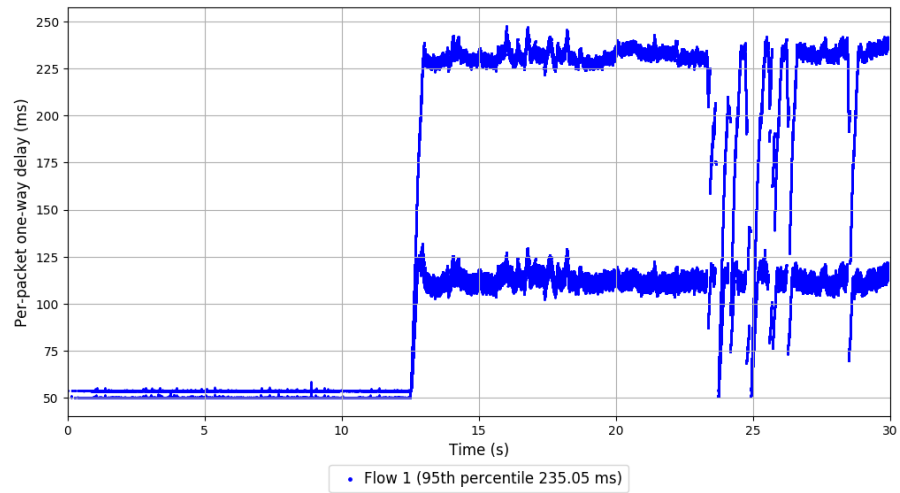
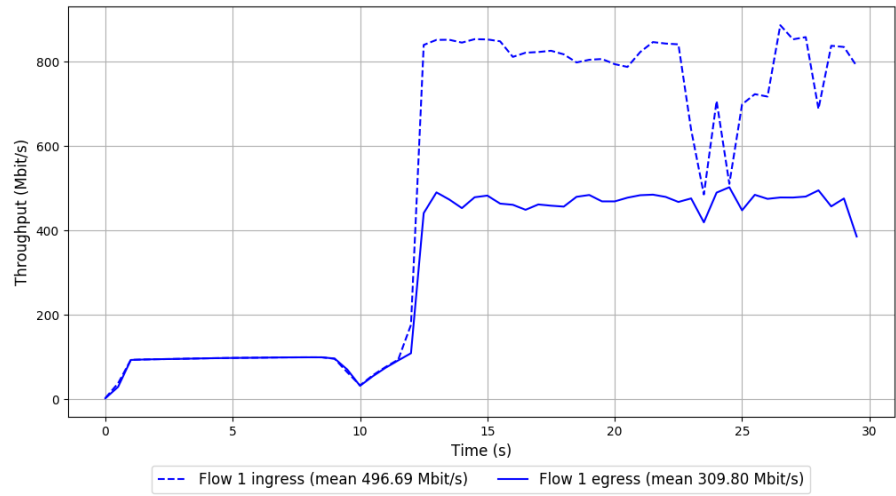
-- Flow 1:

Average throughput: 309.80 Mbit/s

95th percentile per-packet one-way delay: 235.052 ms

Loss rate: 37.85%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-27 15:39:07

End at: 2018-02-27 15:39:37

Below is generated by plot.py at 2018-02-27 20:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 53.926 ms

Loss rate: 0.44%

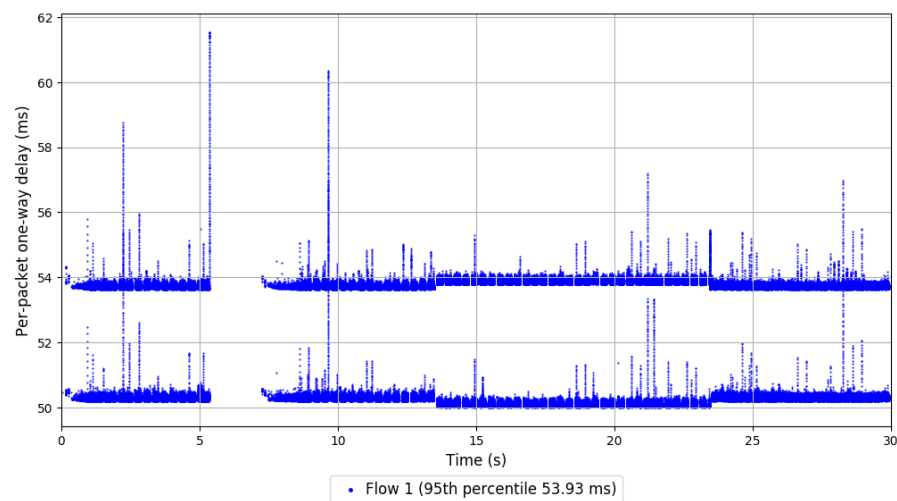
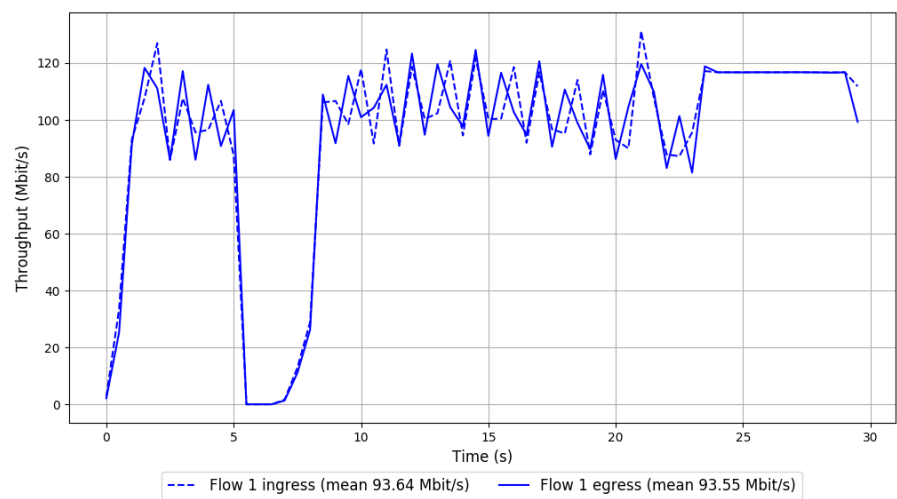
-- Flow 1:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 53.926 ms

Loss rate: 0.44%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-27 15:53:57

End at: 2018-02-27 15:54:27

Below is generated by plot.py at 2018-02-27 20:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.83 Mbit/s

95th percentile per-packet one-way delay: 53.907 ms

Loss rate: 0.31%

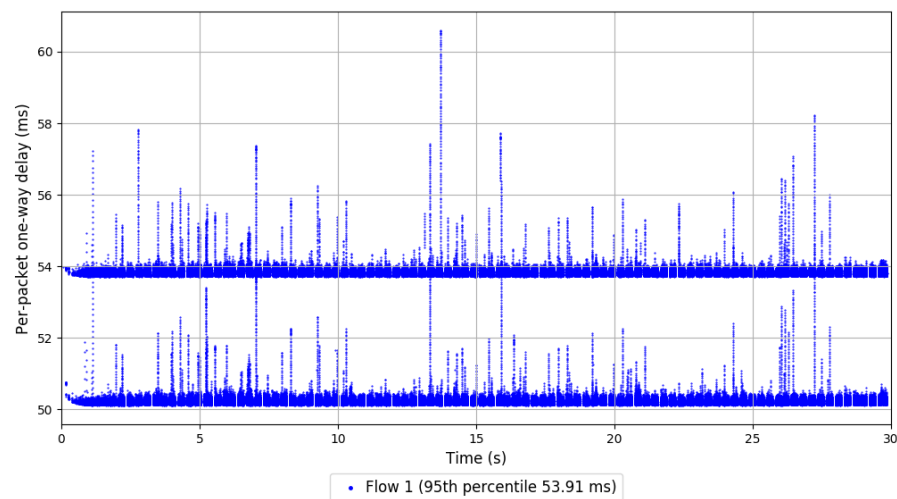
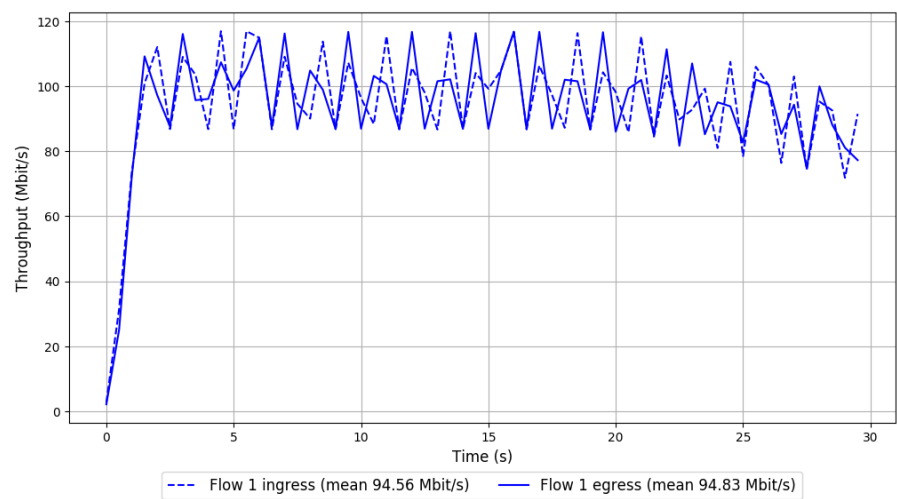
-- Flow 1:

Average throughput: 94.83 Mbit/s

95th percentile per-packet one-way delay: 53.907 ms

Loss rate: 0.31%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-02-27 16:08:35

End at: 2018-02-27 16:09:05

Below is generated by plot.py at 2018-02-27 20:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 54.160 ms

Loss rate: 0.36%

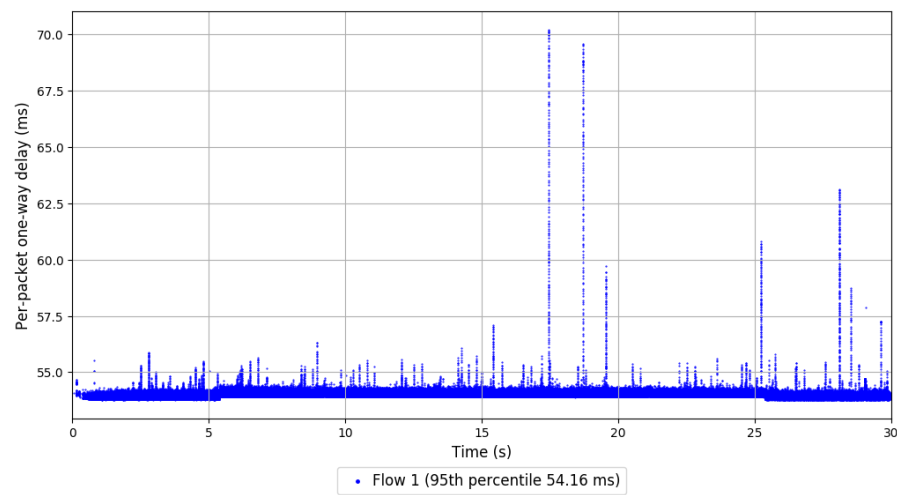
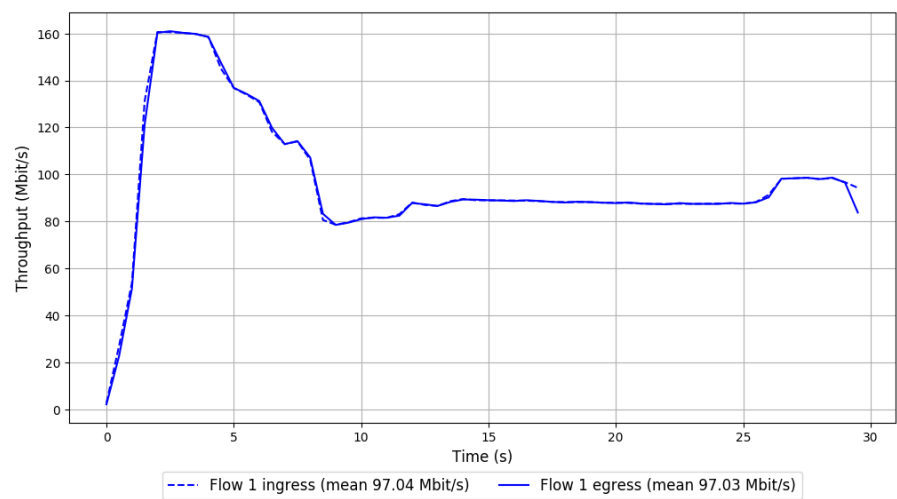
-- Flow 1:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 54.160 ms

Loss rate: 0.36%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-27 16:23:21

End at: 2018-02-27 16:23:52

Below is generated by plot.py at 2018-02-27 20:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.25 Mbit/s

95th percentile per-packet one-way delay: 53.802 ms

Loss rate: 0.32%

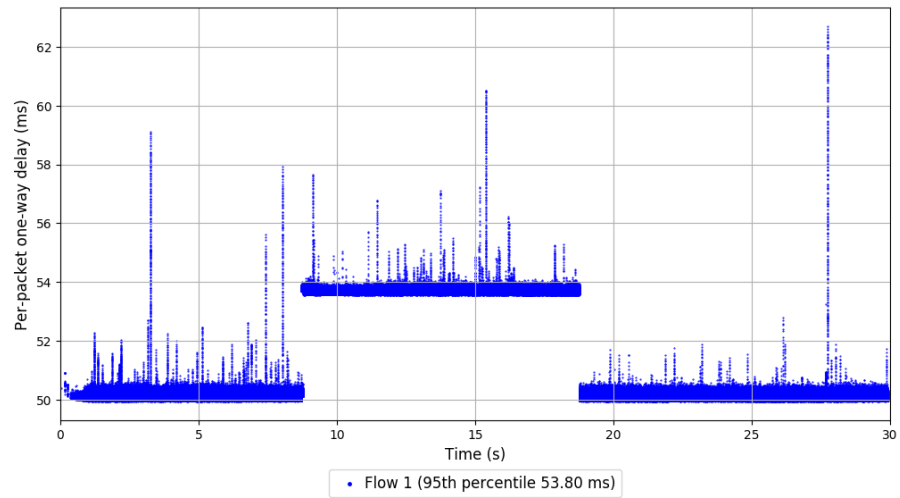
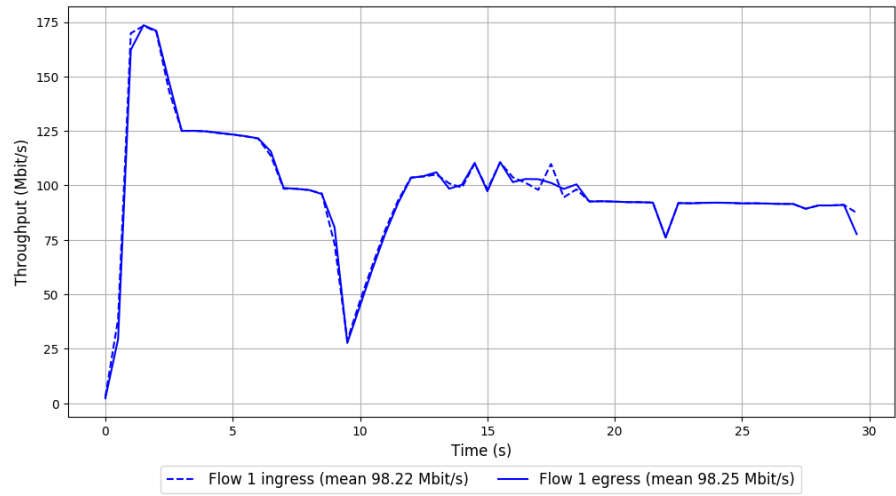
-- Flow 1:

Average throughput: 98.25 Mbit/s

95th percentile per-packet one-way delay: 53.802 ms

Loss rate: 0.32%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-27 16:37:57

End at: 2018-02-27 16:38:28

Below is generated by plot.py at 2018-02-27 20:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 103.92 Mbit/s

95th percentile per-packet one-way delay: 53.623 ms

Loss rate: 0.42%

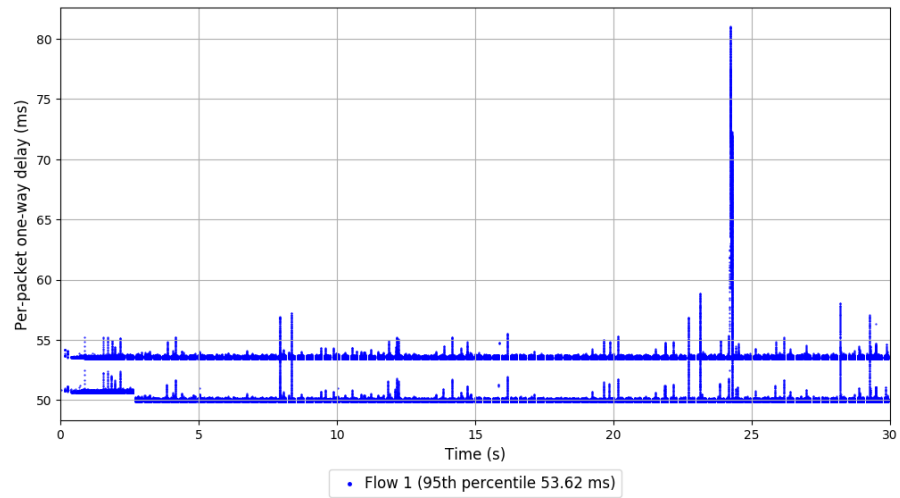
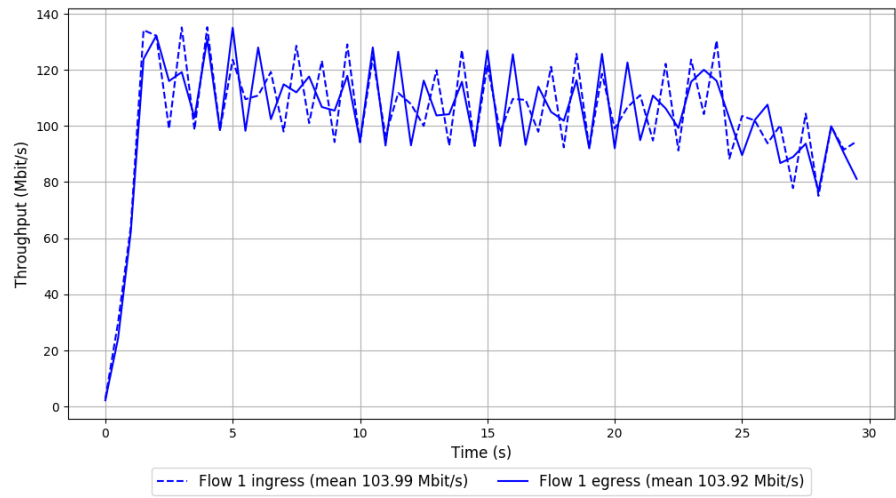
-- Flow 1:

Average throughput: 103.92 Mbit/s

95th percentile per-packet one-way delay: 53.623 ms

Loss rate: 0.42%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-27 16:52:42

End at: 2018-02-27 16:53:12

Below is generated by plot.py at 2018-02-27 20:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 53.848 ms

Loss rate: 0.30%

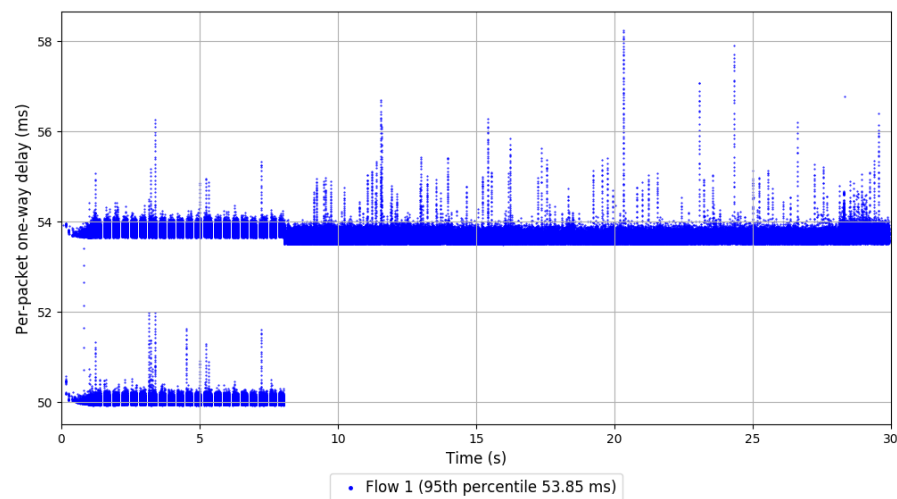
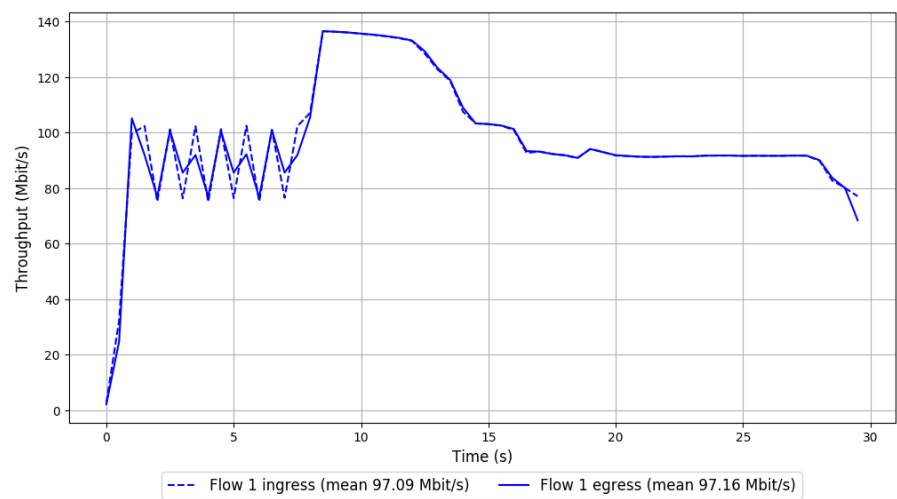
-- Flow 1:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 53.848 ms

Loss rate: 0.30%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-27 14:30:23

End at: 2018-02-27 14:30:53

Below is generated by plot.py at 2018-02-27 20:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 895.02 Mbit/s

95th percentile per-packet one-way delay: 238.209 ms

Loss rate: 6.41%

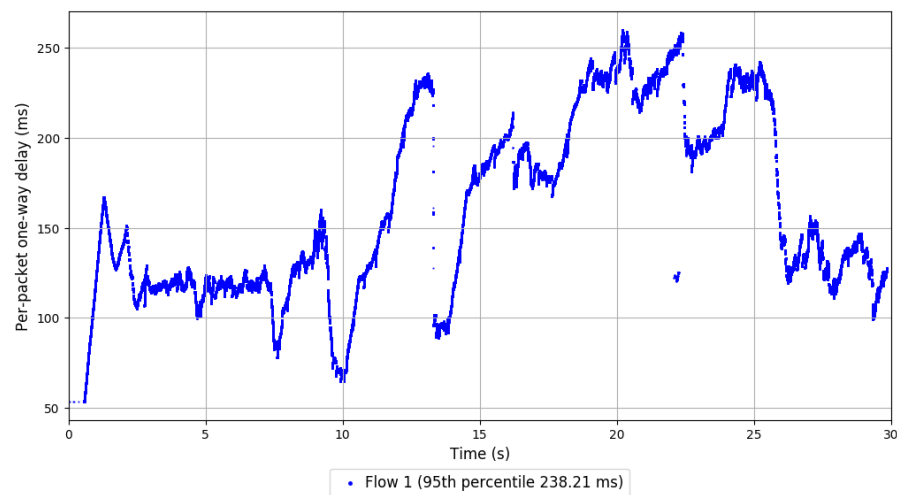
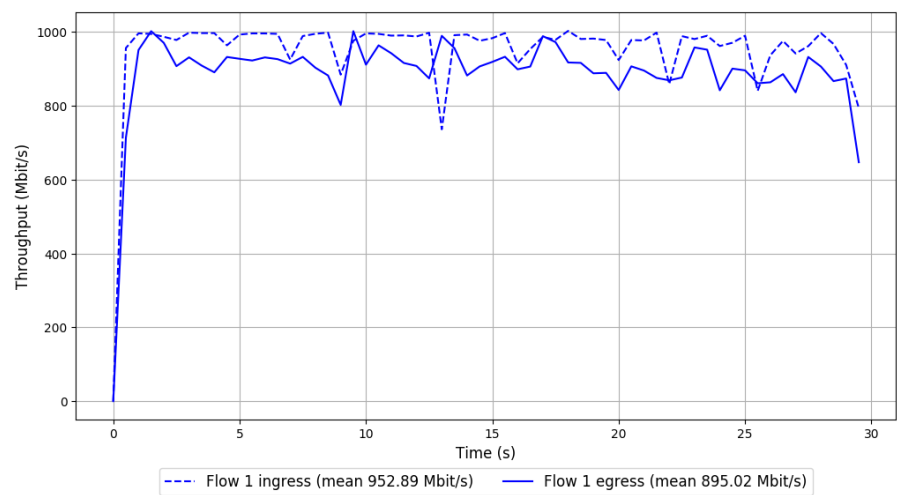
-- Flow 1:

Average throughput: 895.02 Mbit/s

95th percentile per-packet one-way delay: 238.209 ms

Loss rate: 6.41%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-27 14:44:58

End at: 2018-02-27 14:45:28

Below is generated by plot.py at 2018-02-27 20:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 862.33 Mbit/s

95th percentile per-packet one-way delay: 271.432 ms

Loss rate: 7.97%

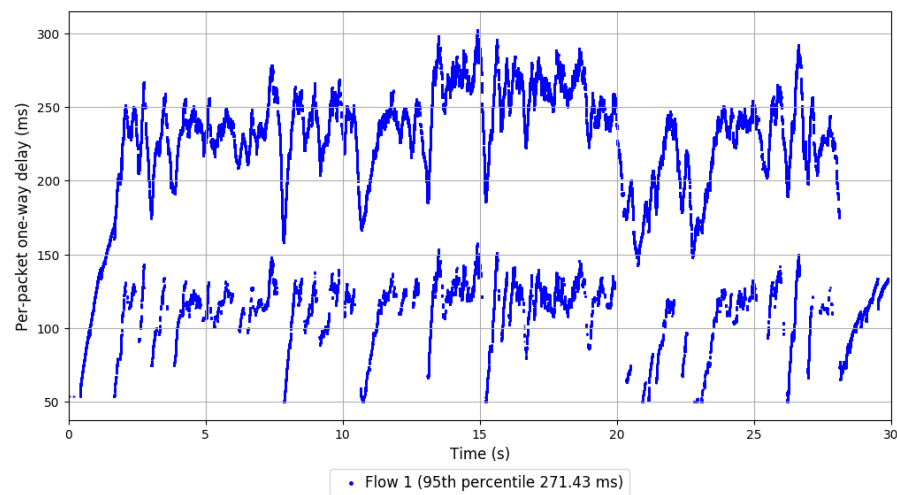
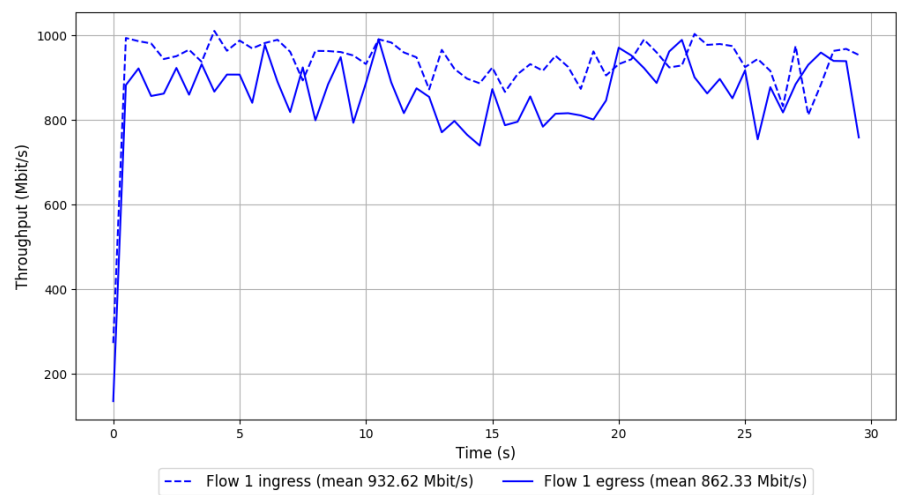
-- Flow 1:

Average throughput: 862.33 Mbit/s

95th percentile per-packet one-way delay: 271.432 ms

Loss rate: 7.97%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-27 15:00:05

End at: 2018-02-27 15:00:35

Below is generated by plot.py at 2018-02-27 20:29:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.55 Mbit/s

95th percentile per-packet one-way delay: 286.796 ms

Loss rate: 12.11%

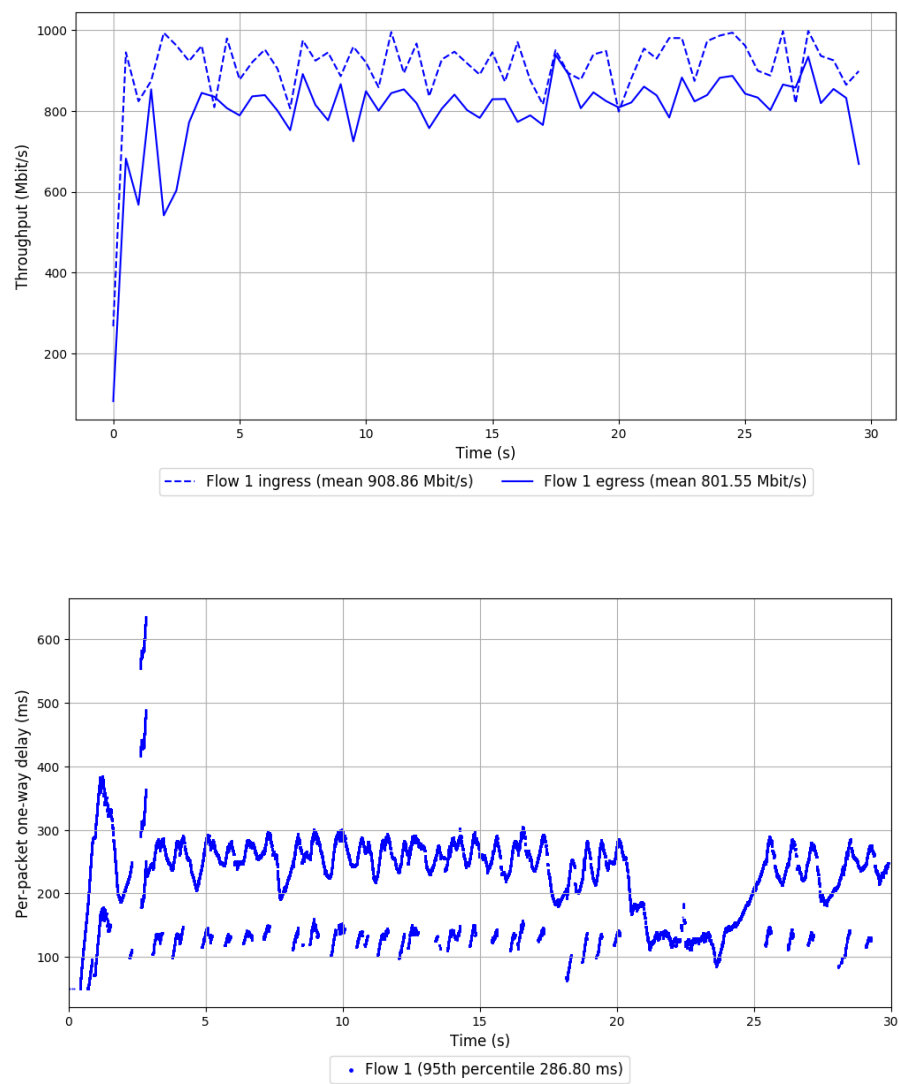
-- Flow 1:

Average throughput: 801.55 Mbit/s

95th percentile per-packet one-way delay: 286.796 ms

Loss rate: 12.11%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-02-27 15:14:37

End at: 2018-02-27 15:15:07

Below is generated by plot.py at 2018-02-27 20:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 970.47 Mbit/s

95th percentile per-packet one-way delay: 142.853 ms

Loss rate: 1.08%

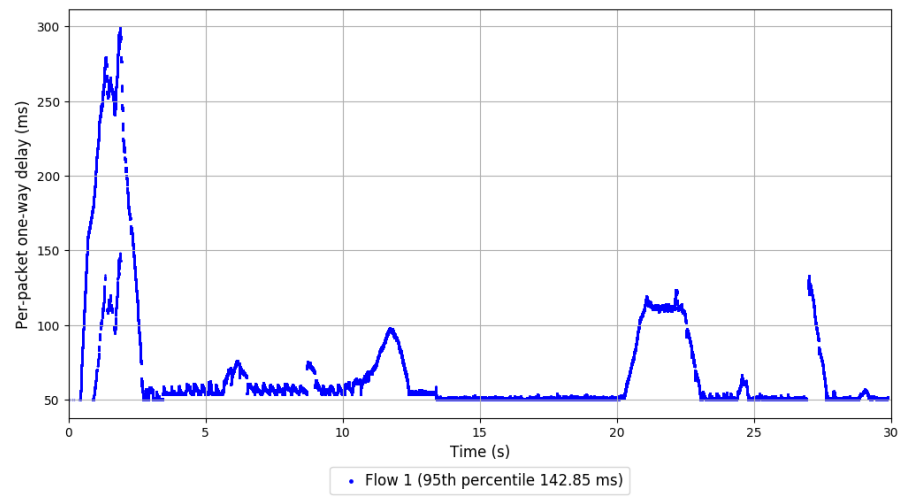
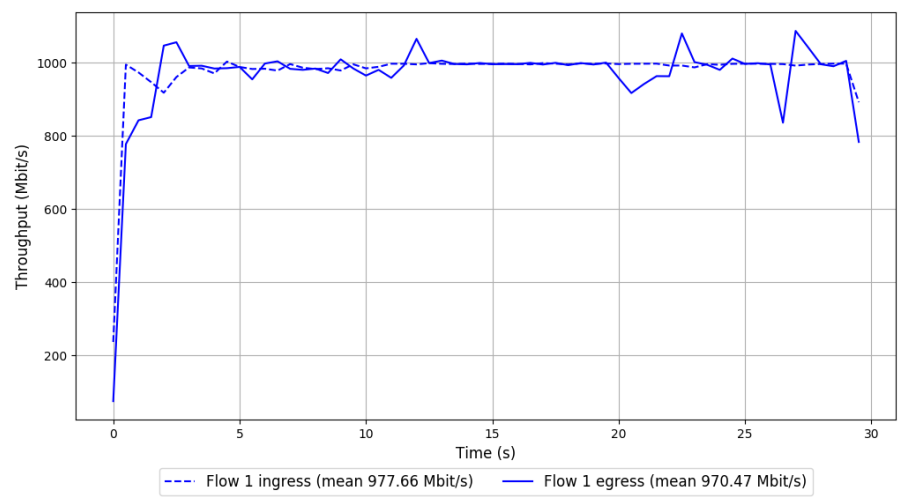
-- Flow 1:

Average throughput: 970.47 Mbit/s

95th percentile per-packet one-way delay: 142.853 ms

Loss rate: 1.08%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-27 15:29:28

End at: 2018-02-27 15:29:58

Below is generated by plot.py at 2018-02-27 20:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 885.79 Mbit/s

95th percentile per-packet one-way delay: 223.028 ms

Loss rate: 7.49%

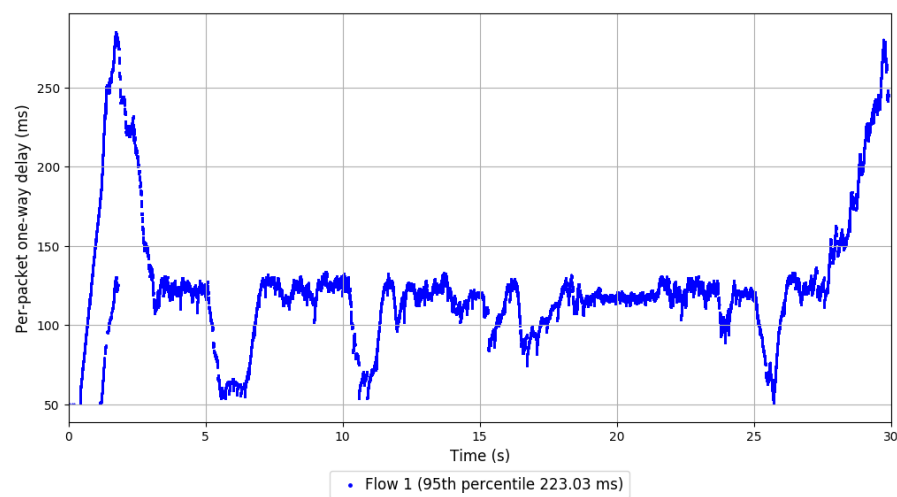
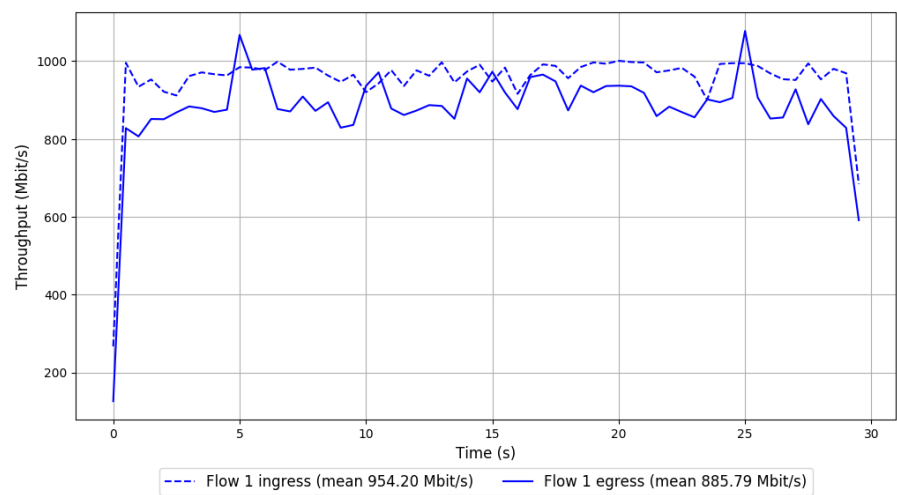
-- Flow 1:

Average throughput: 885.79 Mbit/s

95th percentile per-packet one-way delay: 223.028 ms

Loss rate: 7.49%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-27 15:44:15

End at: 2018-02-27 15:44:45

Below is generated by plot.py at 2018-02-27 20:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 909.55 Mbit/s

95th percentile per-packet one-way delay: 269.913 ms

Loss rate: 4.29%

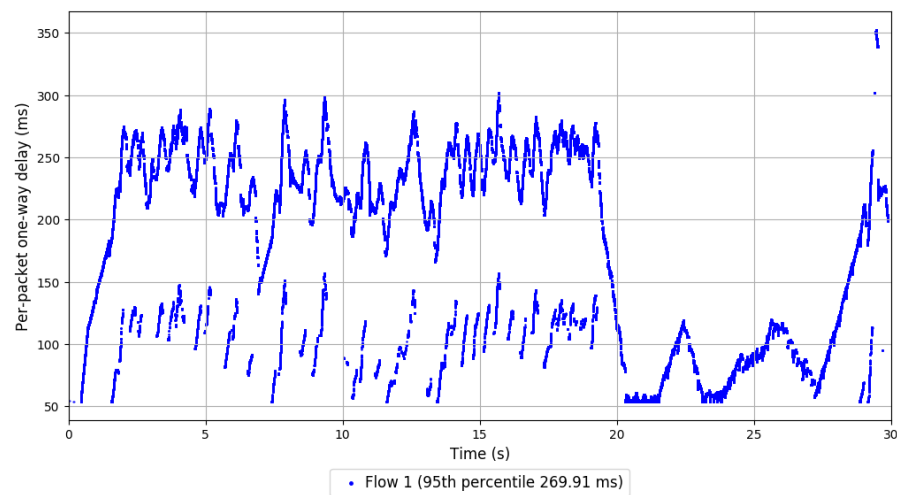
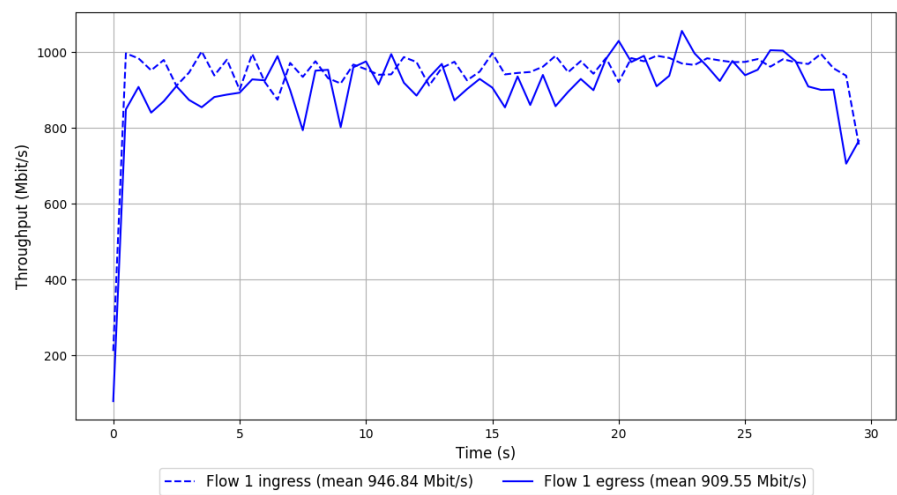
-- Flow 1:

Average throughput: 909.55 Mbit/s

95th percentile per-packet one-way delay: 269.913 ms

Loss rate: 4.29%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-27 15:59:05

End at: 2018-02-27 15:59:35

Below is generated by plot.py at 2018-02-27 20:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 891.88 Mbit/s

95th percentile per-packet one-way delay: 277.809 ms

Loss rate: 5.28%

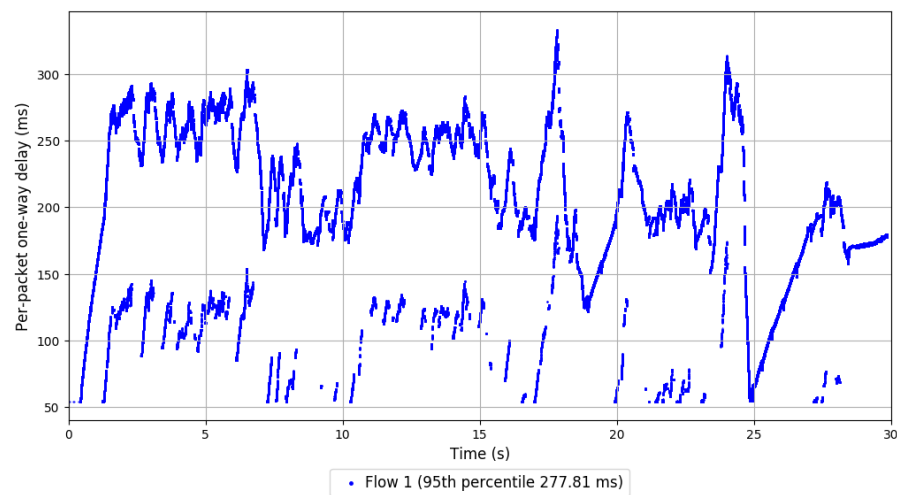
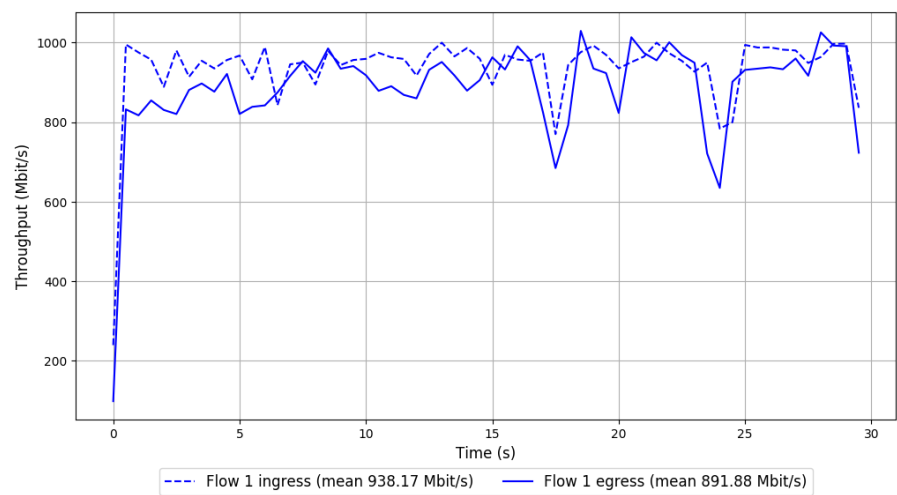
-- Flow 1:

Average throughput: 891.88 Mbit/s

95th percentile per-packet one-way delay: 277.809 ms

Loss rate: 5.28%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-27 16:13:47

End at: 2018-02-27 16:14:17

Below is generated by plot.py at 2018-02-27 20:38:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 881.36 Mbit/s

95th percentile per-packet one-way delay: 152.309 ms

Loss rate: 7.46%

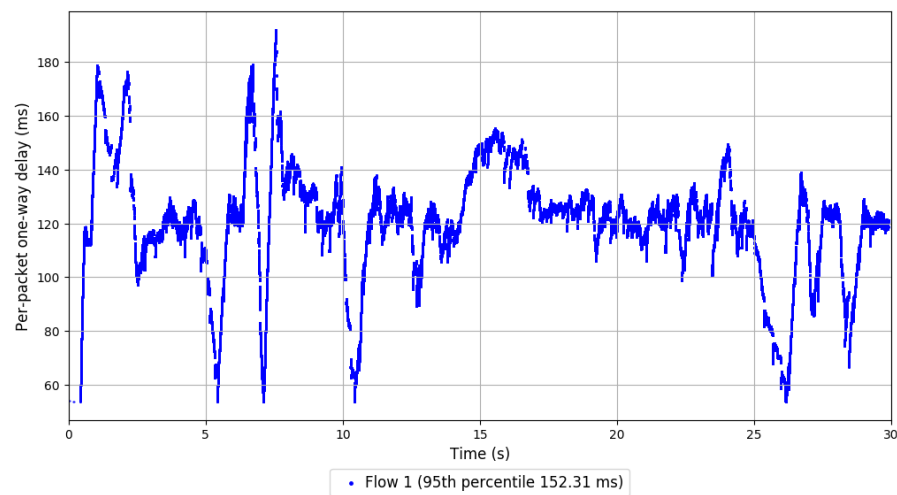
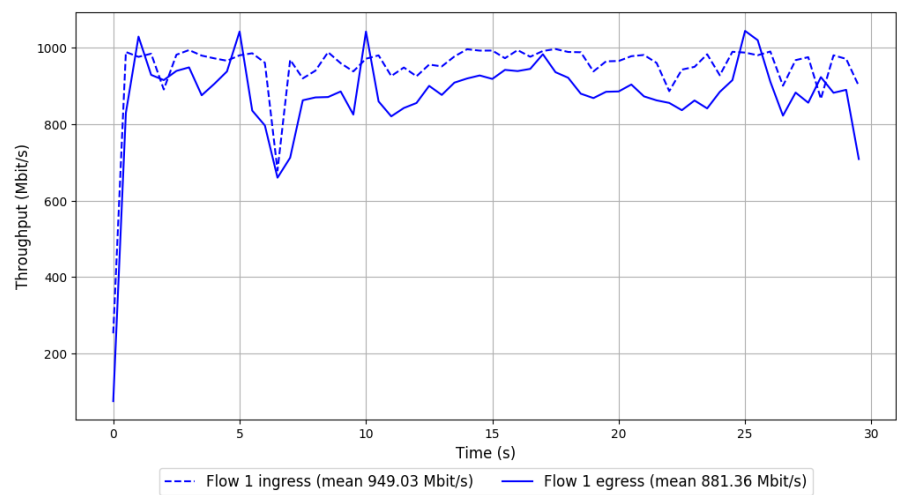
-- Flow 1:

Average throughput: 881.36 Mbit/s

95th percentile per-packet one-way delay: 152.309 ms

Loss rate: 7.46%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-27 16:28:35

End at: 2018-02-27 16:29:05

Below is generated by plot.py at 2018-02-27 20:45:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 953.54 Mbit/s

95th percentile per-packet one-way delay: 174.778 ms

Loss rate: 2.69%

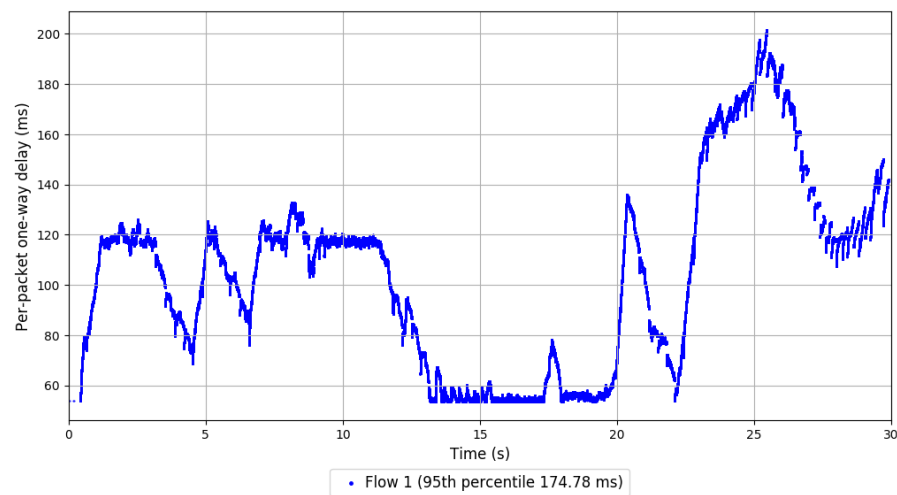
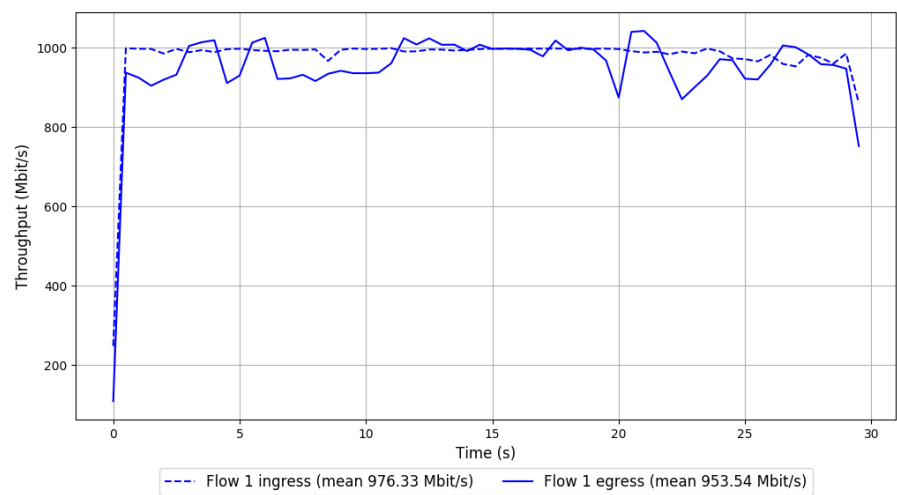
-- Flow 1:

Average throughput: 953.54 Mbit/s

95th percentile per-packet one-way delay: 174.778 ms

Loss rate: 2.69%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-27 16:43:08

End at: 2018-02-27 16:43:38

Below is generated by plot.py at 2018-02-27 20:45:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 901.10 Mbit/s

95th percentile per-packet one-way delay: 269.558 ms

Loss rate: 6.46%

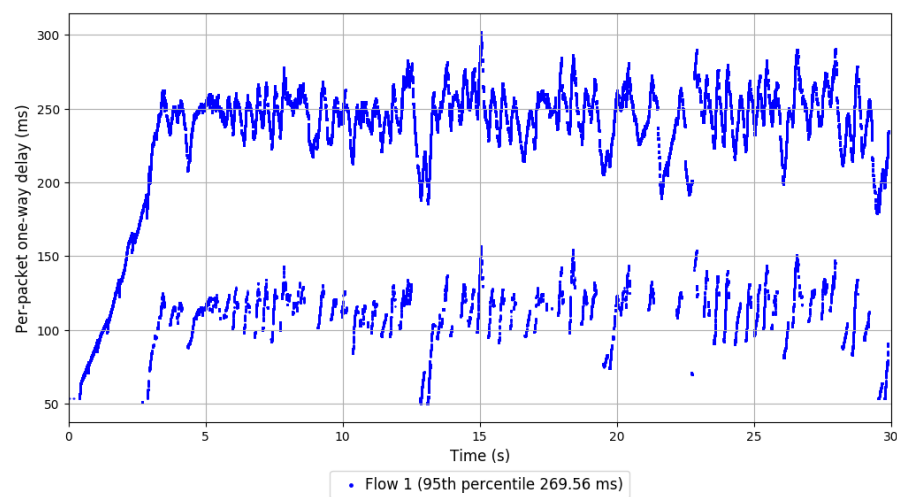
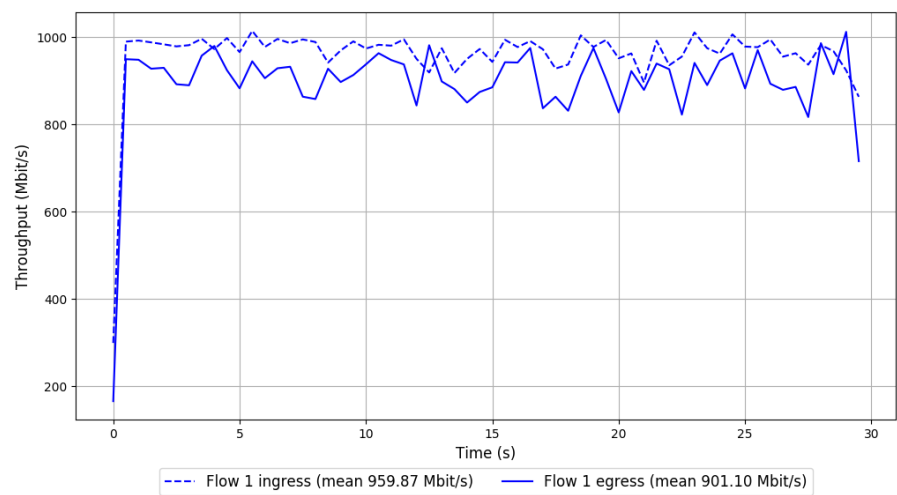
-- Flow 1:

Average throughput: 901.10 Mbit/s

95th percentile per-packet one-way delay: 269.558 ms

Loss rate: 6.46%

Run 10: Report of FillP — Data Link

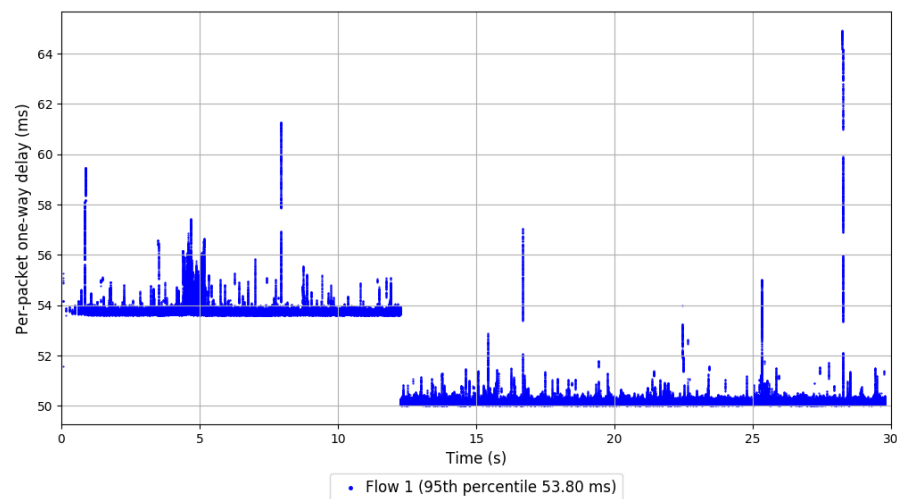
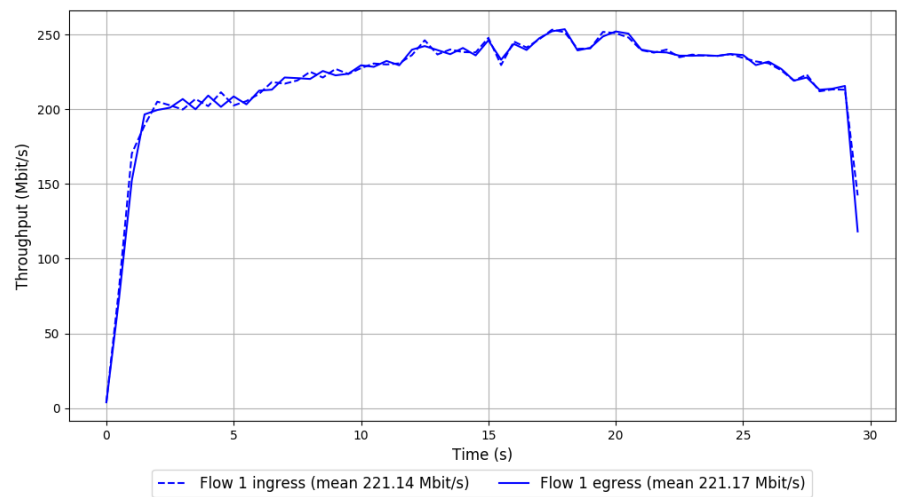


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-27 14:44:08
End at: 2018-02-27 14:44:38

# Below is generated by plot.py at 2018-02-27 20:45:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.17 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 221.17 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 0.34%
```

Run 1: Report of Indigo-1-32 — Data Link



Run 2: Statistics of Indigo-1-32

Start at: 2018-02-27 14:59:15

End at: 2018-02-27 14:59:45

Below is generated by plot.py at 2018-02-27 20:45:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.67 Mbit/s

95th percentile per-packet one-way delay: 53.842 ms

Loss rate: 0.41%

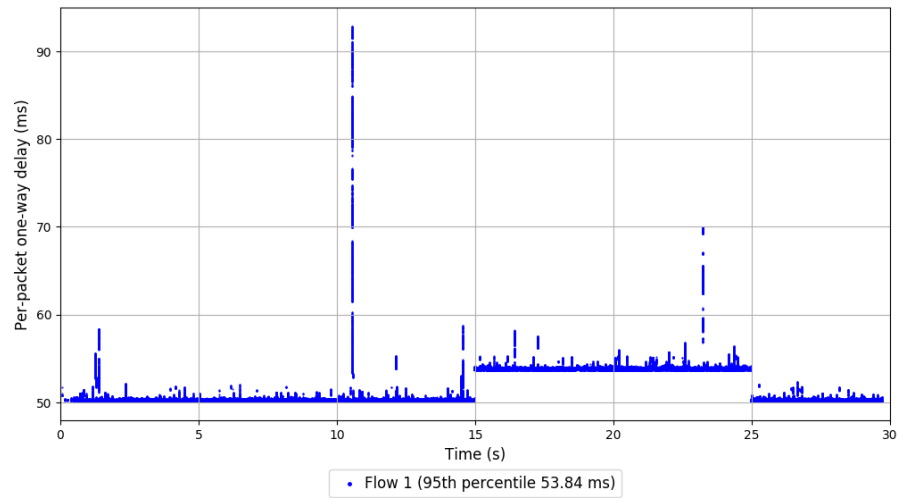
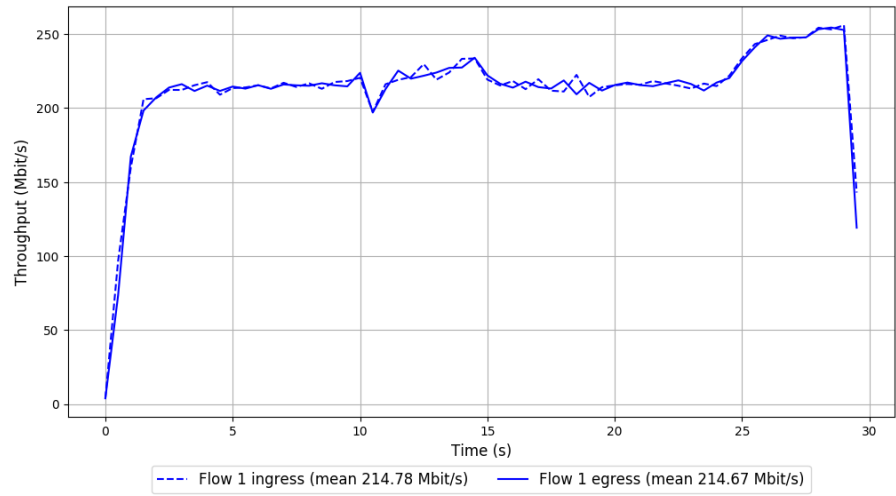
-- Flow 1:

Average throughput: 214.67 Mbit/s

95th percentile per-packet one-way delay: 53.842 ms

Loss rate: 0.41%

Run 2: Report of Indigo-1-32 — Data Link



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-27 15:13:47

End at: 2018-02-27 15:14:17

Below is generated by plot.py at 2018-02-27 20:45:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.12 Mbit/s

95th percentile per-packet one-way delay: 53.729 ms

Loss rate: 0.37%

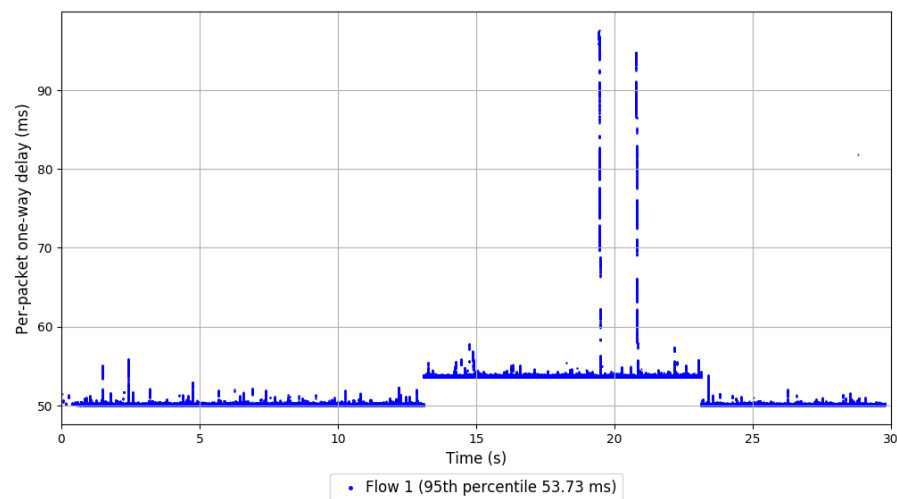
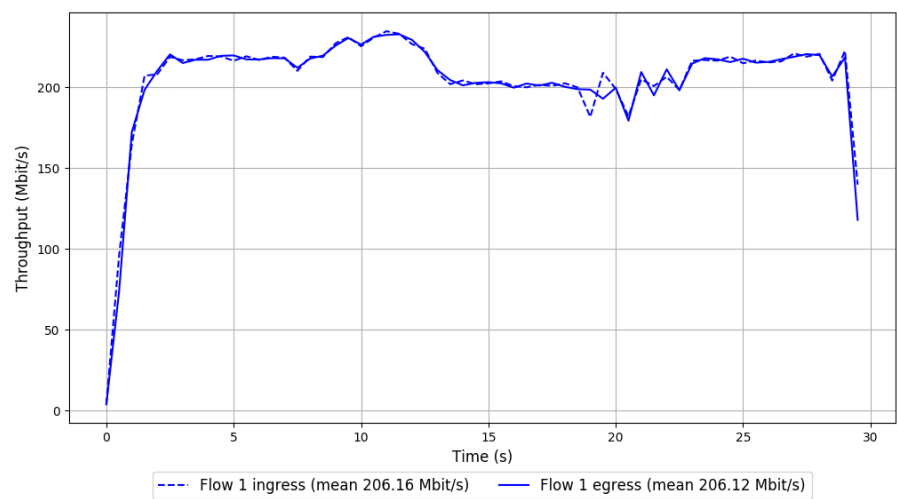
-- Flow 1:

Average throughput: 206.12 Mbit/s

95th percentile per-packet one-way delay: 53.729 ms

Loss rate: 0.37%

Run 3: Report of Indigo-1-32 — Data Link



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-27 15:28:38

End at: 2018-02-27 15:29:08

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.84 Mbit/s

95th percentile per-packet one-way delay: 53.708 ms

Loss rate: 0.41%

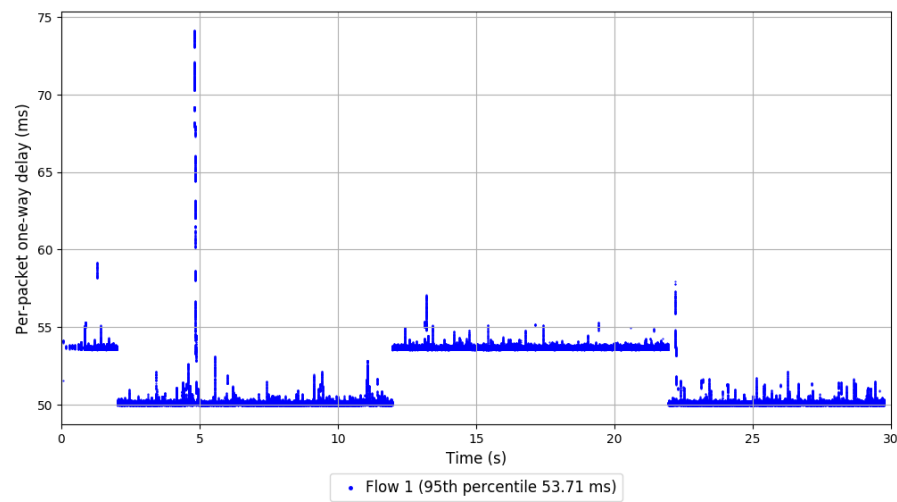
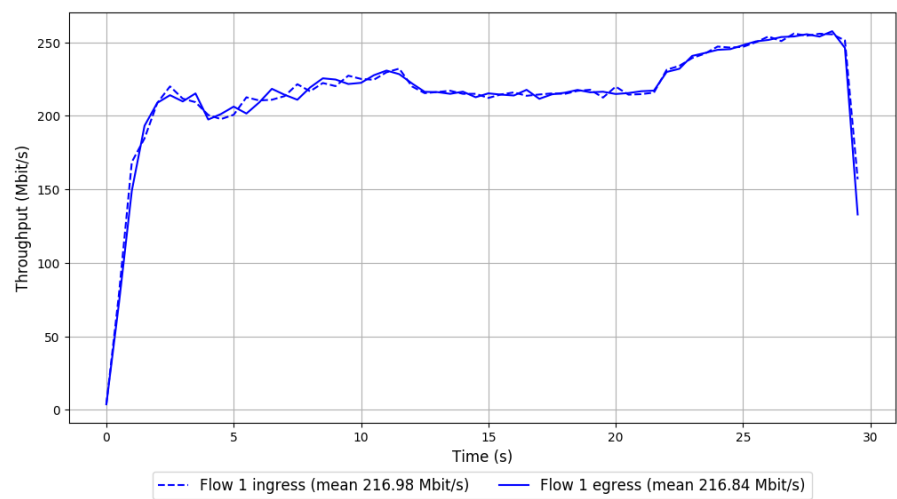
-- Flow 1:

Average throughput: 216.84 Mbit/s

95th percentile per-packet one-way delay: 53.708 ms

Loss rate: 0.41%

Run 4: Report of Indigo-1-32 — Data Link



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-27 15:43:24

End at: 2018-02-27 15:43:54

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.11 Mbit/s

95th percentile per-packet one-way delay: 53.827 ms

Loss rate: 0.34%

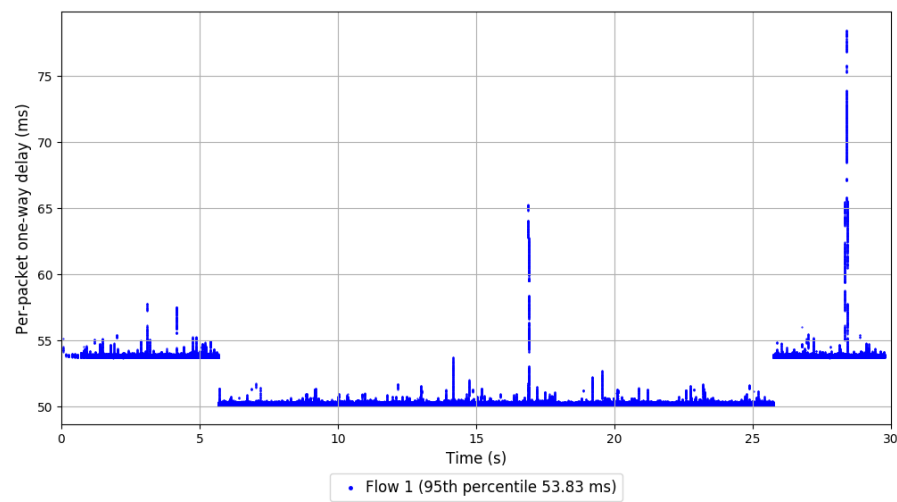
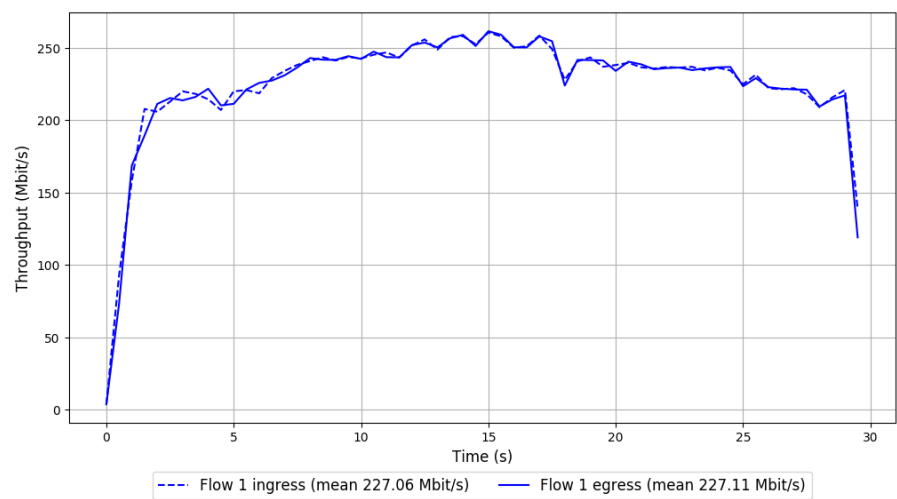
-- Flow 1:

Average throughput: 227.11 Mbit/s

95th percentile per-packet one-way delay: 53.827 ms

Loss rate: 0.34%

Run 5: Report of Indigo-1-32 — Data Link



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-27 15:58:16

End at: 2018-02-27 15:58:46

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.23 Mbit/s

95th percentile per-packet one-way delay: 54.124 ms

Loss rate: 0.37%

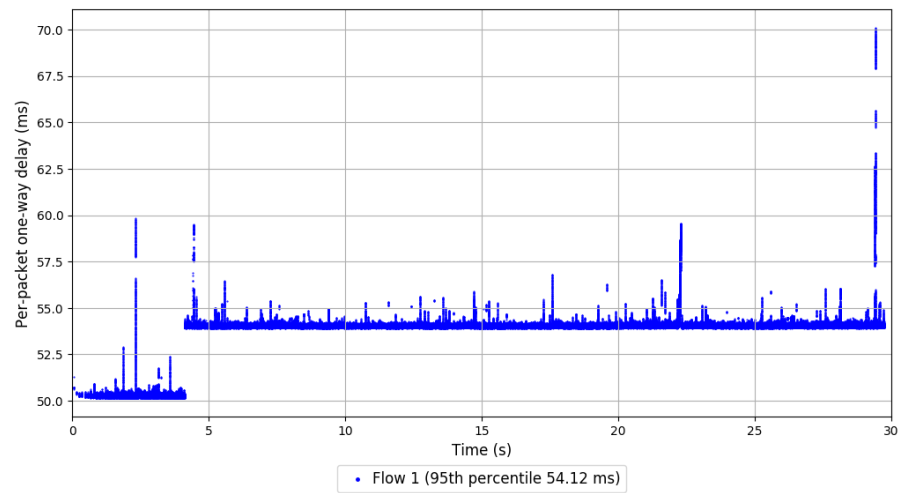
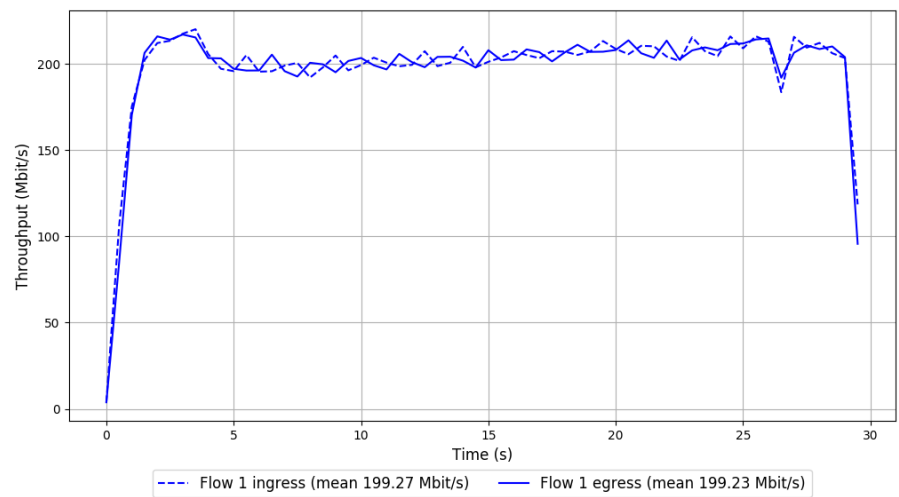
-- Flow 1:

Average throughput: 199.23 Mbit/s

95th percentile per-packet one-way delay: 54.124 ms

Loss rate: 0.37%

Run 6: Report of Indigo-1-32 — Data Link



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-27 16:12:56

End at: 2018-02-27 16:13:26

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.82 Mbit/s

95th percentile per-packet one-way delay: 54.002 ms

Loss rate: 0.34%

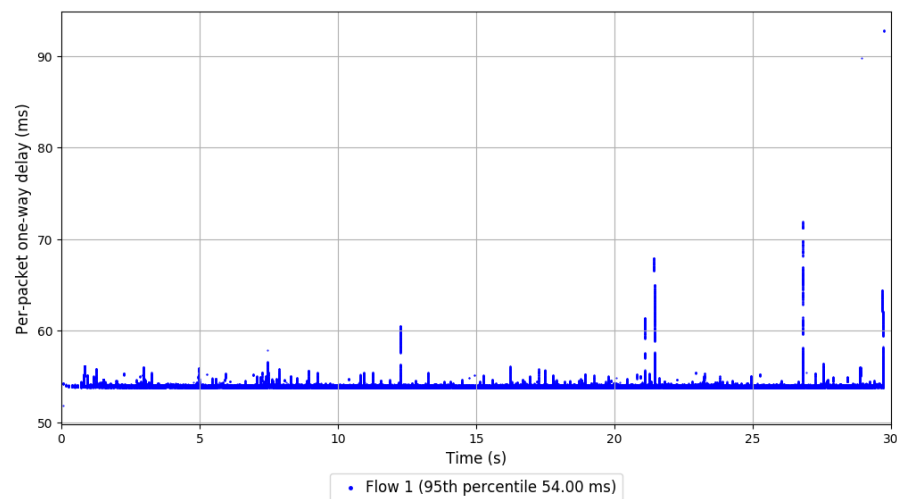
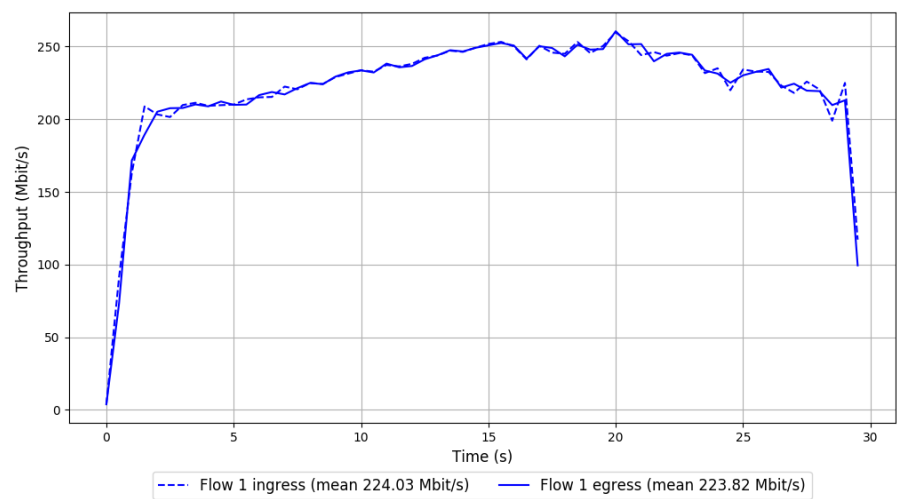
-- Flow 1:

Average throughput: 223.82 Mbit/s

95th percentile per-packet one-way delay: 54.002 ms

Loss rate: 0.34%

Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-27 16:27:43

End at: 2018-02-27 16:28:13

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.65 Mbit/s

95th percentile per-packet one-way delay: 50.160 ms

Loss rate: 0.33%

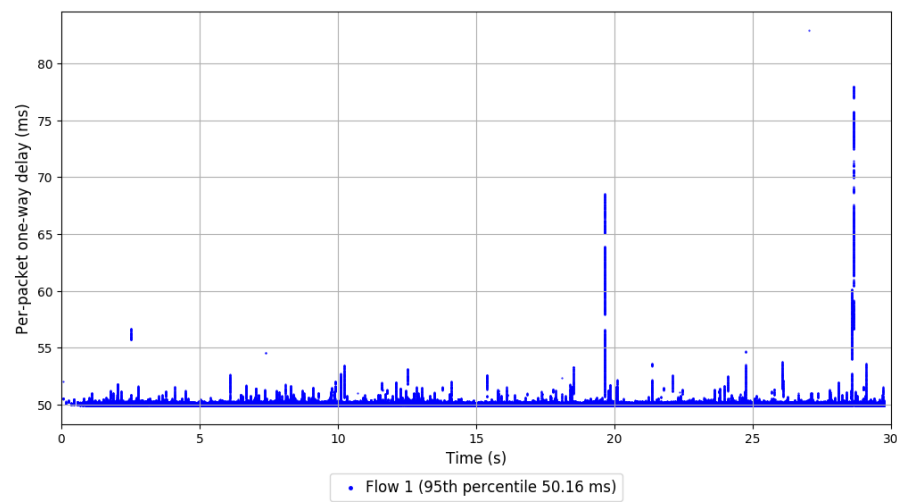
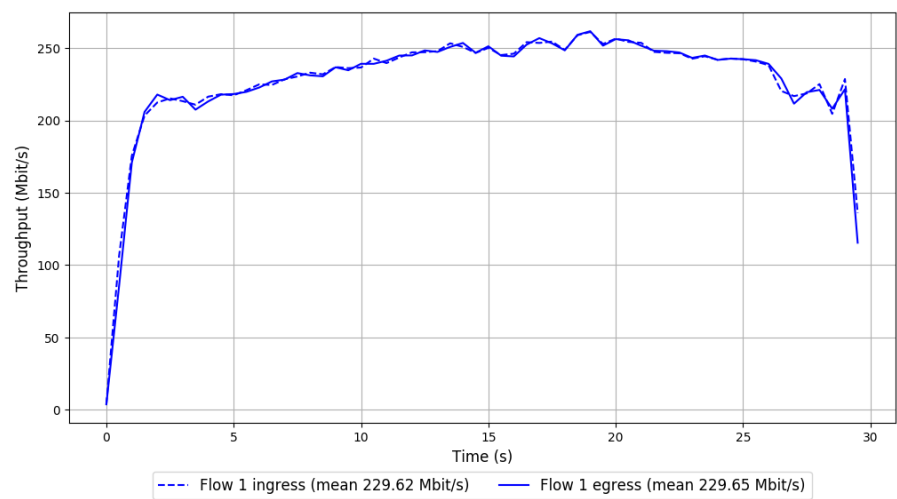
-- Flow 1:

Average throughput: 229.65 Mbit/s

95th percentile per-packet one-way delay: 50.160 ms

Loss rate: 0.33%

Run 8: Report of Indigo-1-32 — Data Link



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-27 16:42:17

End at: 2018-02-27 16:42:47

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.45 Mbit/s

95th percentile per-packet one-way delay: 53.645 ms

Loss rate: 0.36%

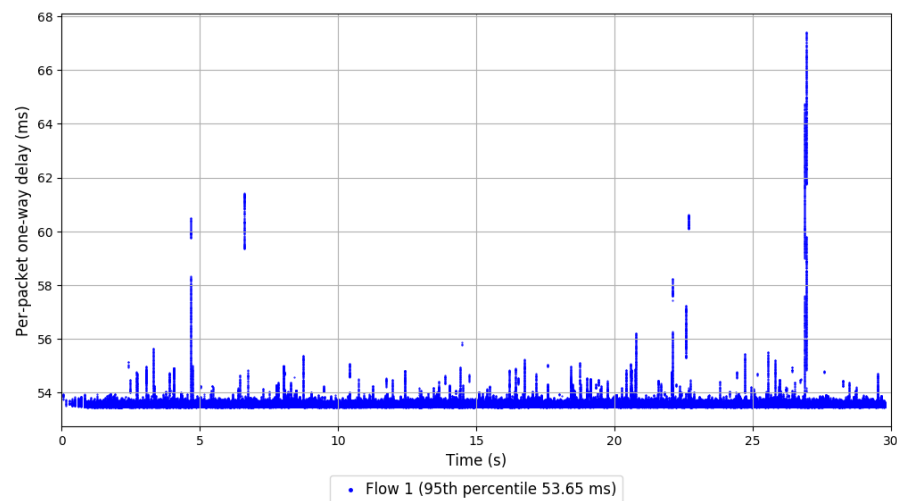
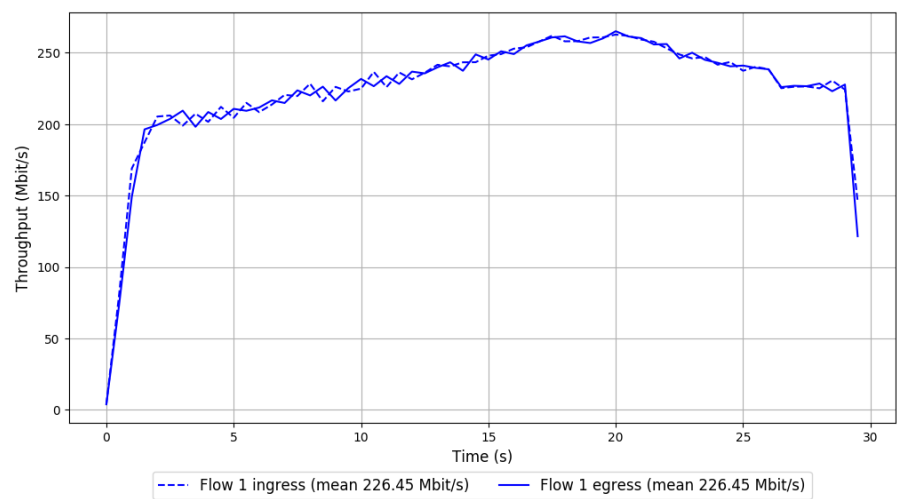
-- Flow 1:

Average throughput: 226.45 Mbit/s

95th percentile per-packet one-way delay: 53.645 ms

Loss rate: 0.36%

Run 9: Report of Indigo-1-32 — Data Link



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-27 16:57:05

End at: 2018-02-27 16:57:35

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.44 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.33%

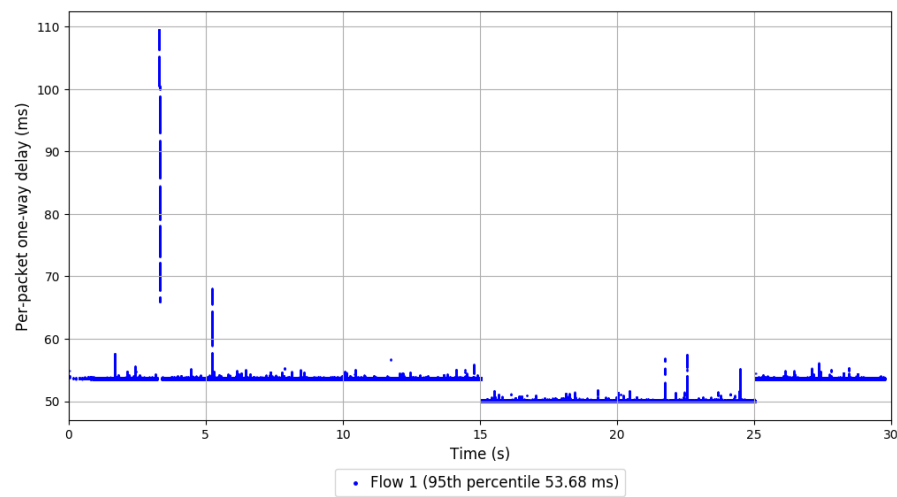
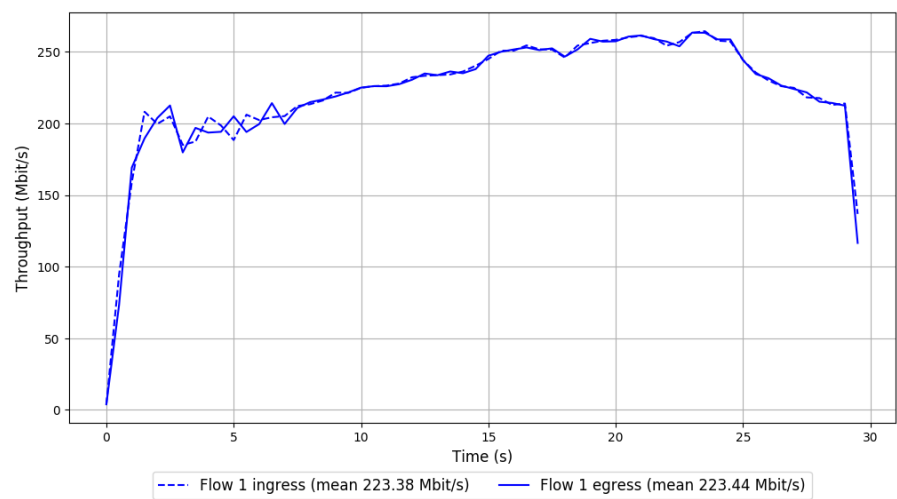
-- Flow 1:

Average throughput: 223.44 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.33%

Run 10: Report of Indigo-1-32 — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-02-27 14:32:10

End at: 2018-02-27 14:32:40

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.74 Mbit/s

95th percentile per-packet one-way delay: 65.177 ms

Loss rate: 0.38%

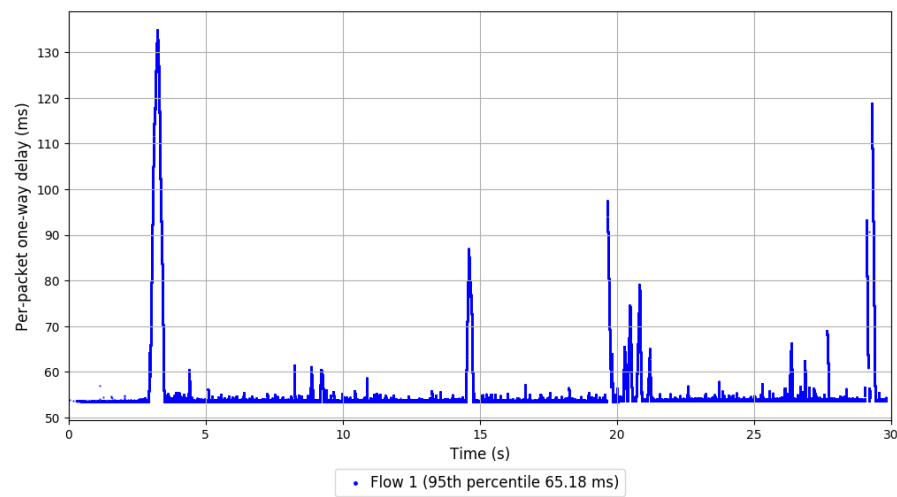
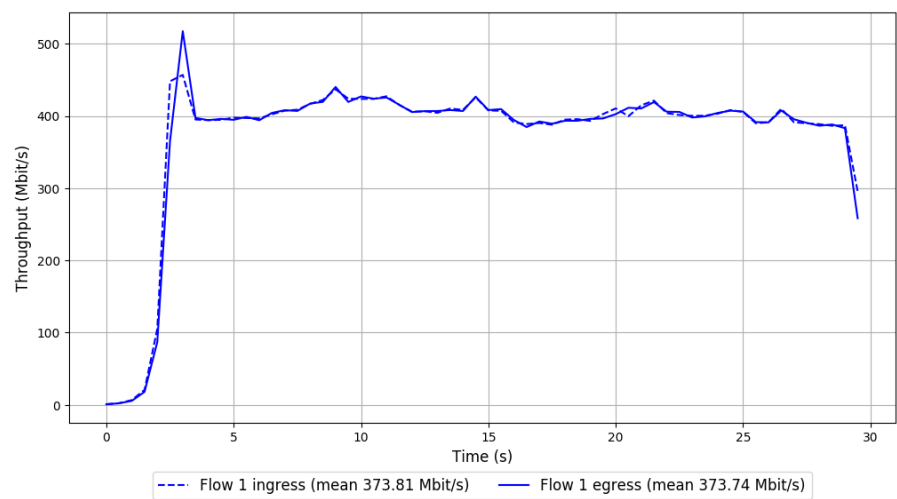
-- Flow 1:

Average throughput: 373.74 Mbit/s

95th percentile per-packet one-way delay: 65.177 ms

Loss rate: 0.38%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-27 14:46:58

End at: 2018-02-27 14:47:28

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.81 Mbit/s

95th percentile per-packet one-way delay: 60.219 ms

Loss rate: 0.45%

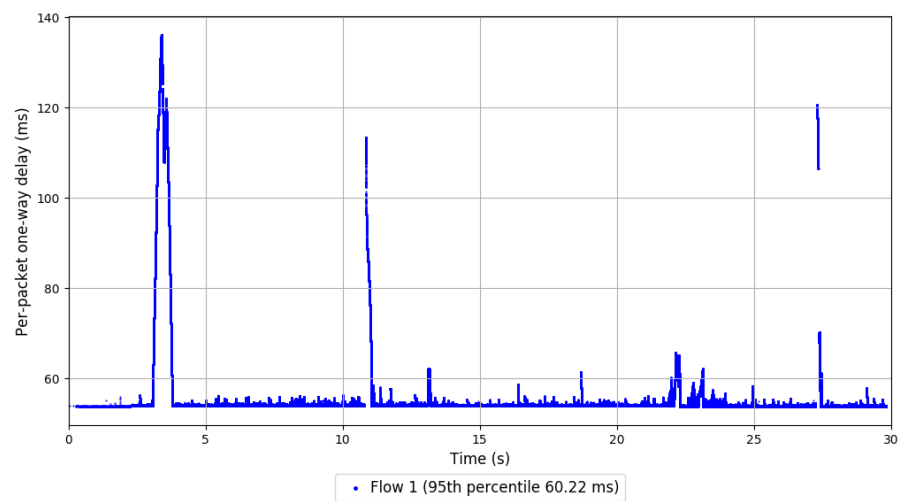
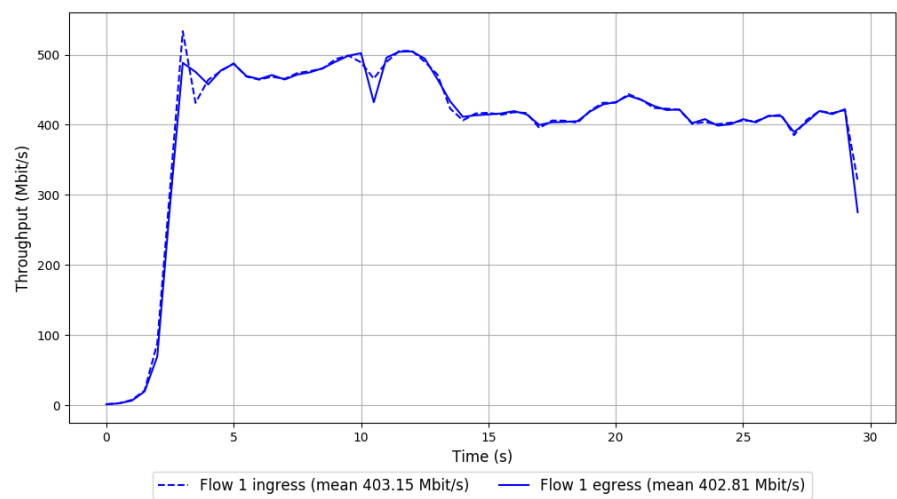
-- Flow 1:

Average throughput: 402.81 Mbit/s

95th percentile per-packet one-way delay: 60.219 ms

Loss rate: 0.45%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-27 15:02:00

End at: 2018-02-27 15:02:31

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.50 Mbit/s

95th percentile per-packet one-way delay: 56.524 ms

Loss rate: 0.52%

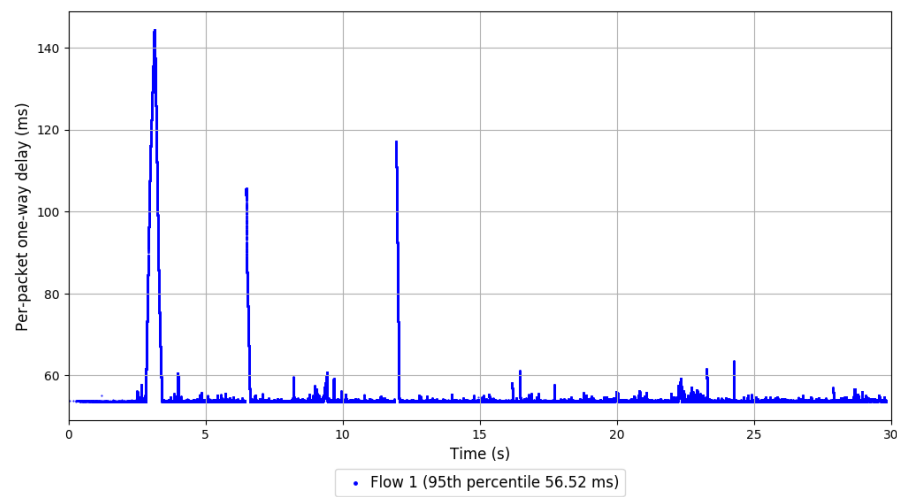
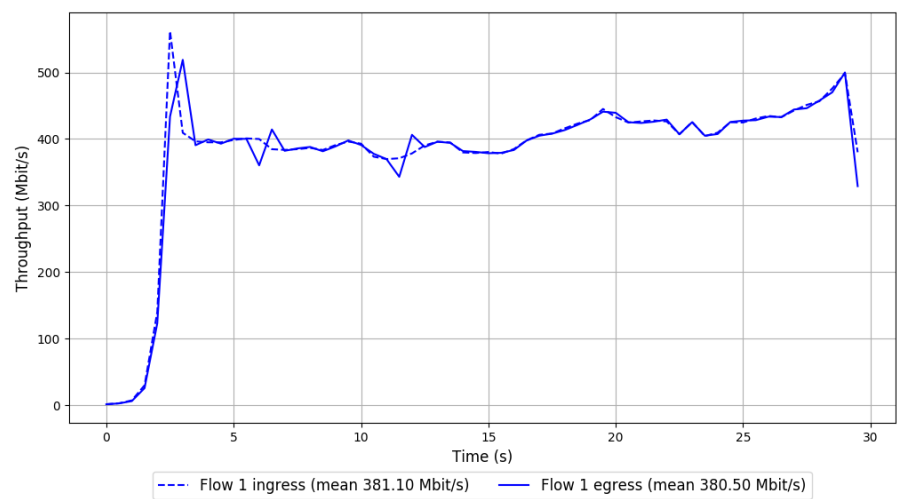
-- Flow 1:

Average throughput: 380.50 Mbit/s

95th percentile per-packet one-way delay: 56.524 ms

Loss rate: 0.52%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-27 15:16:30

End at: 2018-02-27 15:17:00

Below is generated by plot.py at 2018-02-27 20:45:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.04 Mbit/s

95th percentile per-packet one-way delay: 53.788 ms

Loss rate: 0.57%

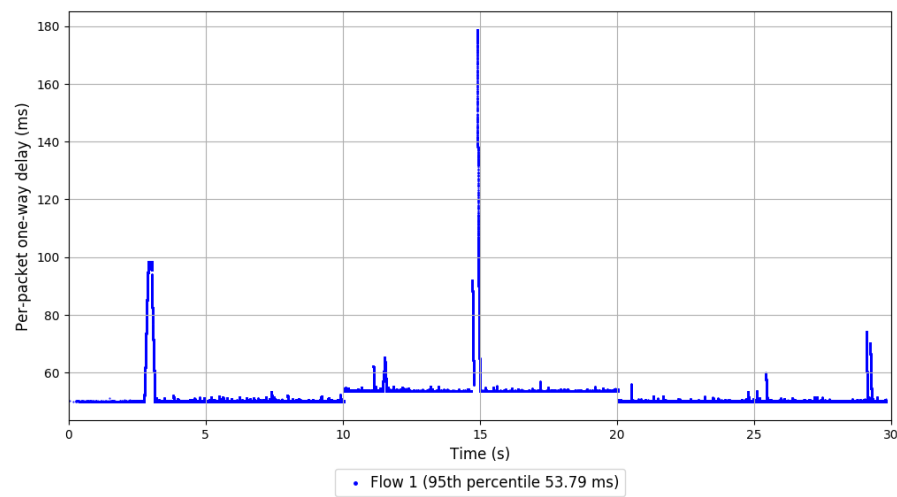
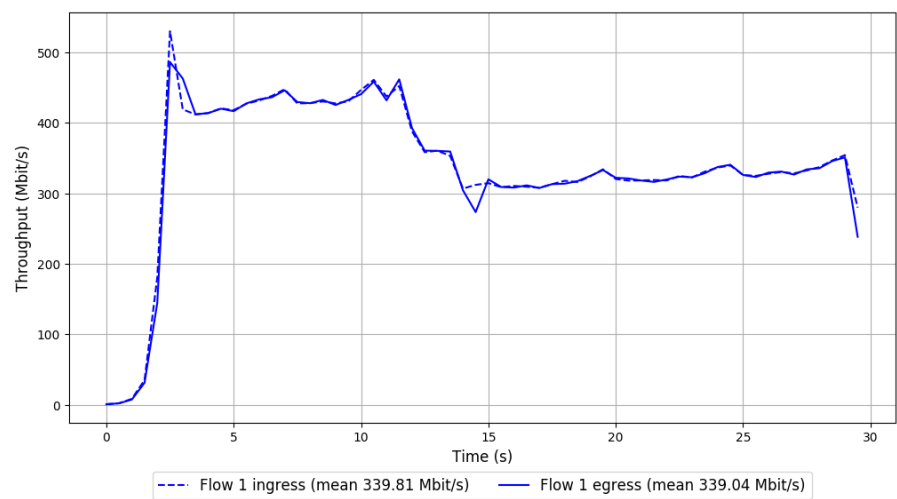
-- Flow 1:

Average throughput: 339.04 Mbit/s

95th percentile per-packet one-way delay: 53.788 ms

Loss rate: 0.57%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-02-27 15:31:17

End at: 2018-02-27 15:31:47

Below is generated by plot.py at 2018-02-27 20:45:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.40 Mbit/s

95th percentile per-packet one-way delay: 62.242 ms

Loss rate: 0.45%

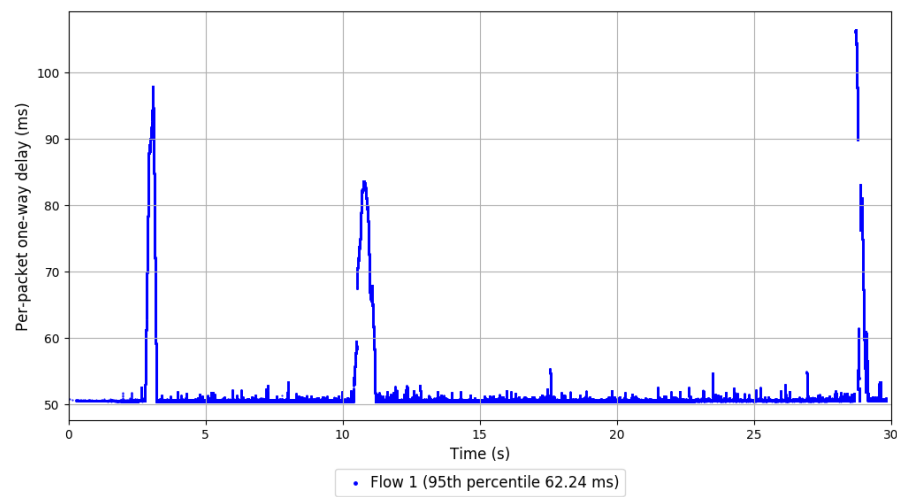
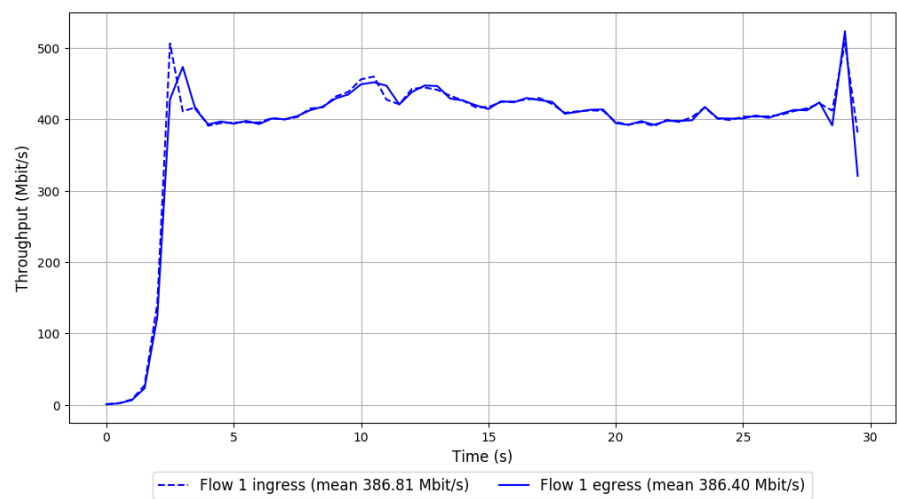
-- Flow 1:

Average throughput: 386.40 Mbit/s

95th percentile per-packet one-way delay: 62.242 ms

Loss rate: 0.45%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-27 15:46:07

End at: 2018-02-27 15:46:37

Below is generated by plot.py at 2018-02-27 20:47:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.63 Mbit/s

95th percentile per-packet one-way delay: 54.950 ms

Loss rate: 0.36%

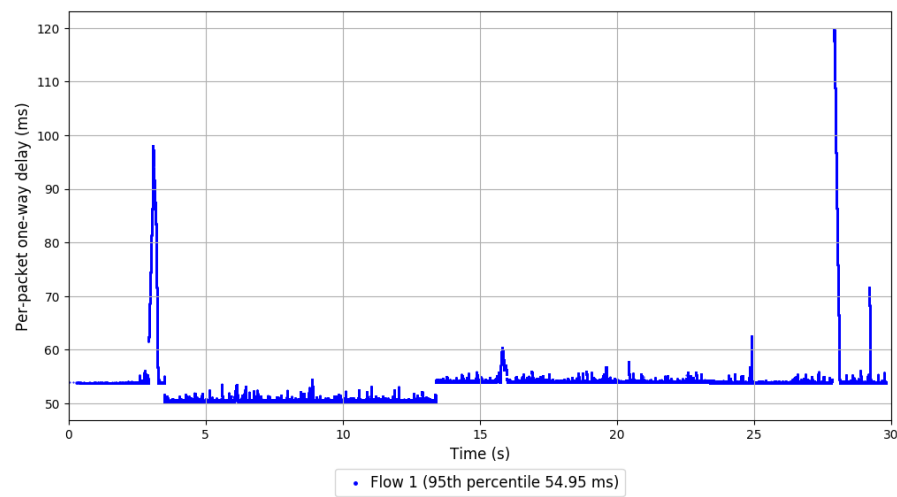
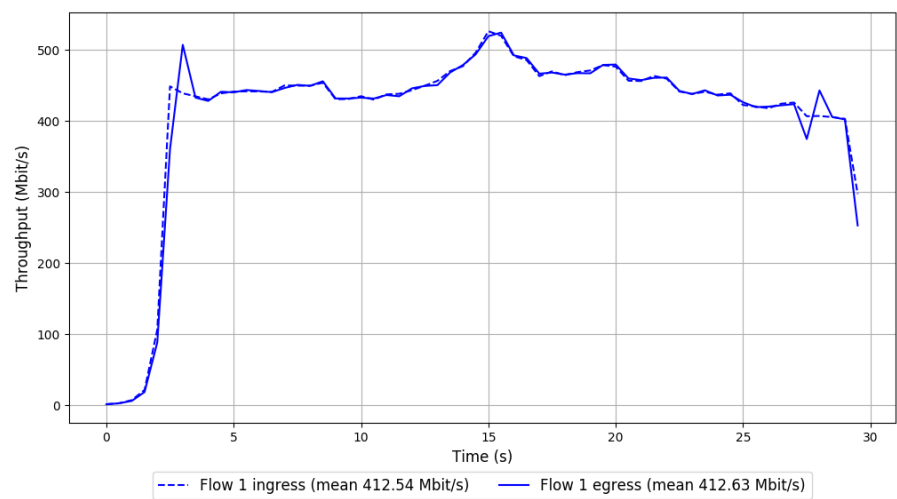
-- Flow 1:

Average throughput: 412.63 Mbit/s

95th percentile per-packet one-way delay: 54.950 ms

Loss rate: 0.36%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-27 16:00:58

End at: 2018-02-27 16:01:28

Below is generated by plot.py at 2018-02-27 20:50:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 419.90 Mbit/s

95th percentile per-packet one-way delay: 61.347 ms

Loss rate: 0.30%

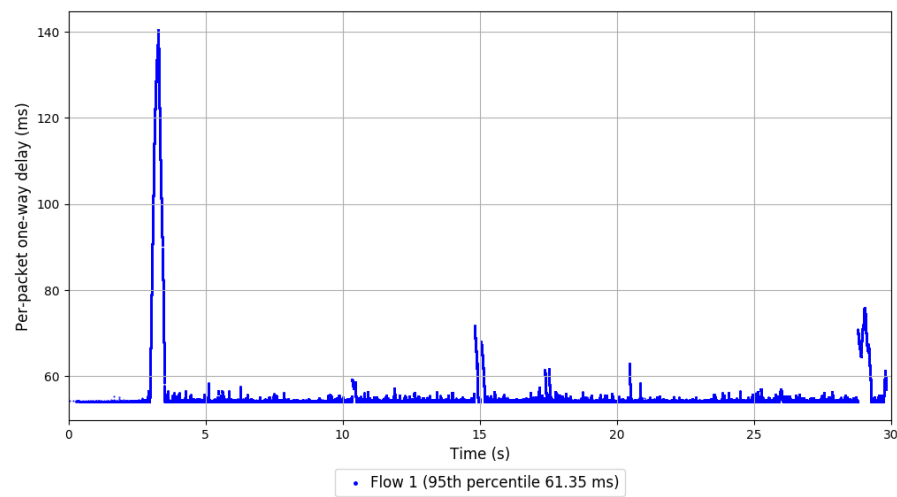
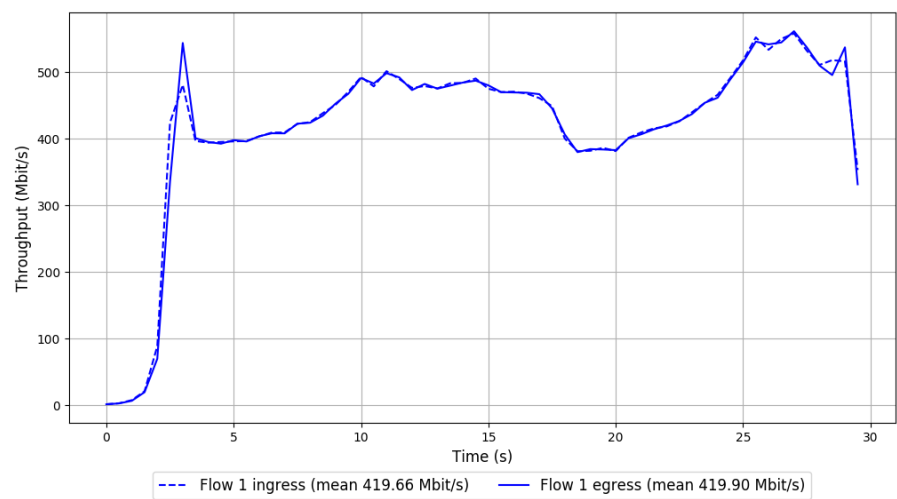
-- Flow 1:

Average throughput: 419.90 Mbit/s

95th percentile per-packet one-way delay: 61.347 ms

Loss rate: 0.30%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-27 16:15:35

End at: 2018-02-27 16:16:05

Below is generated by plot.py at 2018-02-27 20:50:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 406.01 Mbit/s

95th percentile per-packet one-way delay: 98.292 ms

Loss rate: 0.36%

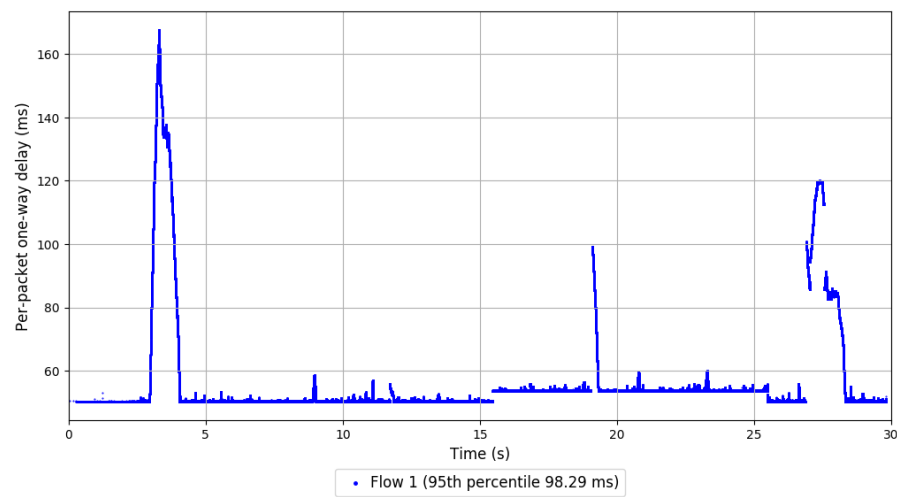
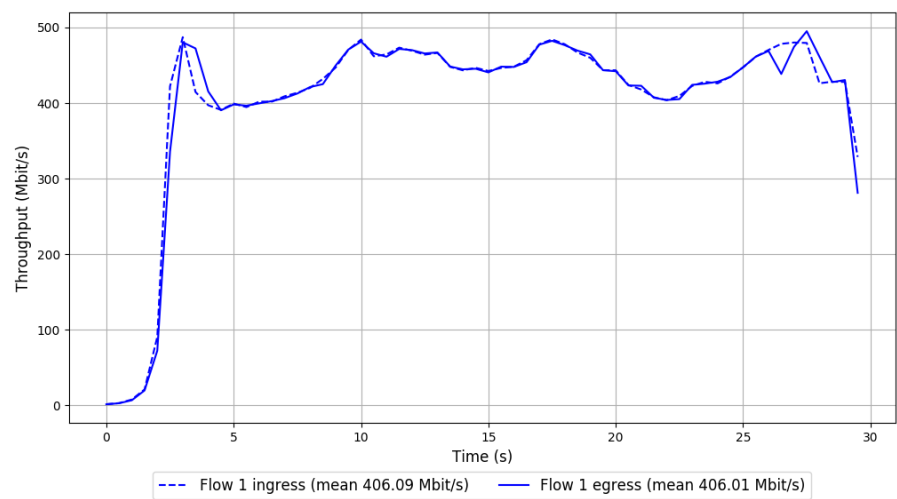
-- Flow 1:

Average throughput: 406.01 Mbit/s

95th percentile per-packet one-way delay: 98.292 ms

Loss rate: 0.36%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-27 16:30:33

End at: 2018-02-27 16:31:03

Below is generated by plot.py at 2018-02-27 20:52:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.44 Mbit/s

95th percentile per-packet one-way delay: 64.836 ms

Loss rate: 0.35%

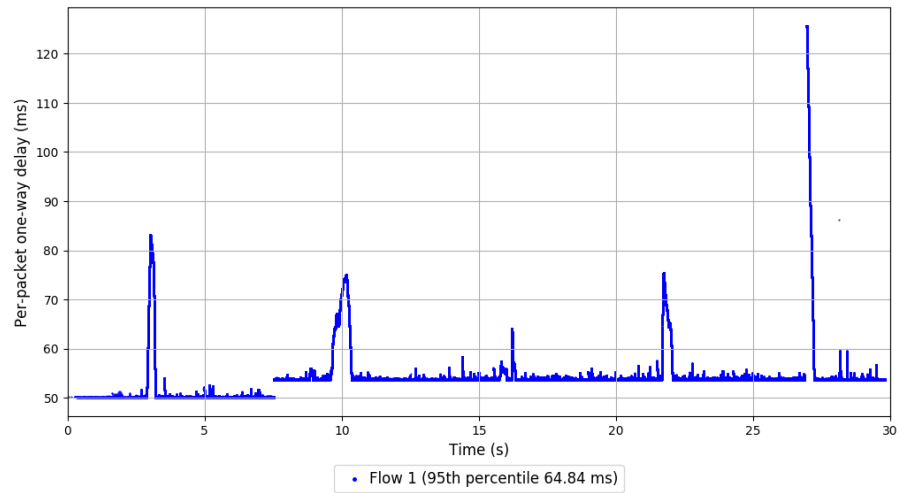
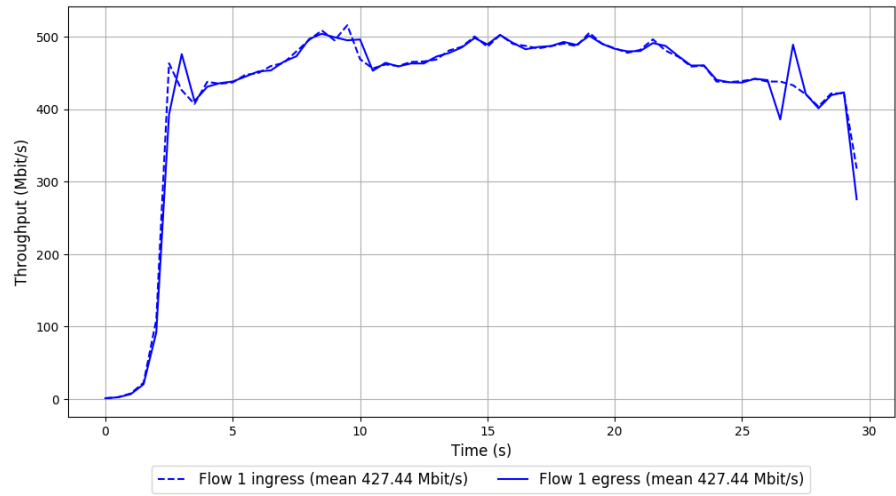
-- Flow 1:

Average throughput: 427.44 Mbit/s

95th percentile per-packet one-way delay: 64.836 ms

Loss rate: 0.35%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-27 16:44:59

End at: 2018-02-27 16:45:29

Below is generated by plot.py at 2018-02-27 20:52:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.45 Mbit/s

95th percentile per-packet one-way delay: 62.392 ms

Loss rate: 0.41%

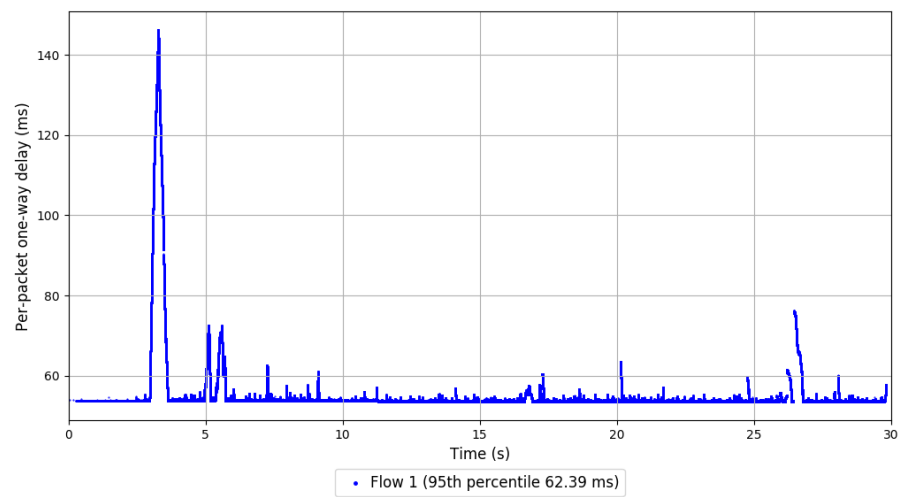
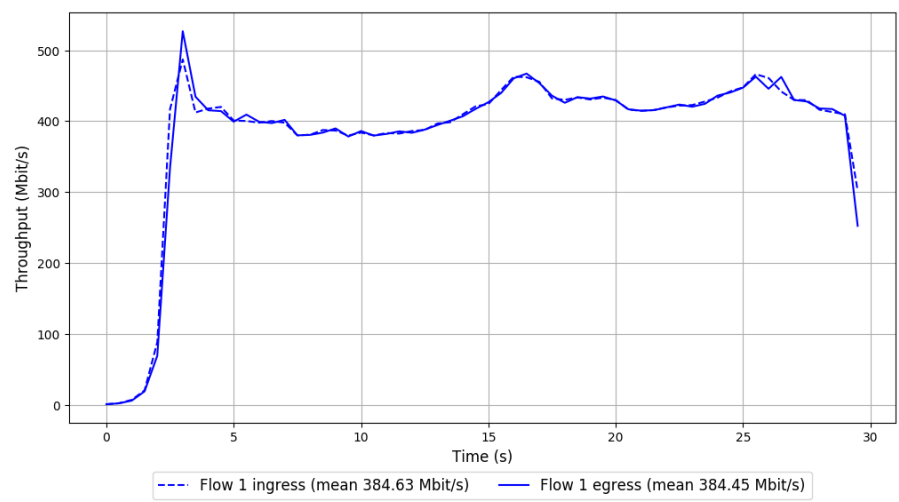
-- Flow 1:

Average throughput: 384.45 Mbit/s

95th percentile per-packet one-way delay: 62.392 ms

Loss rate: 0.41%

Run 10: Report of Vivace-latency — Data Link

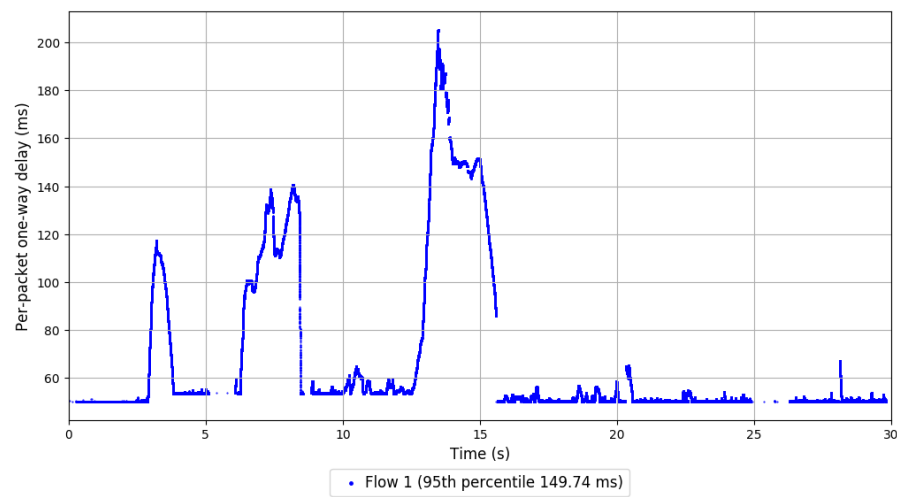
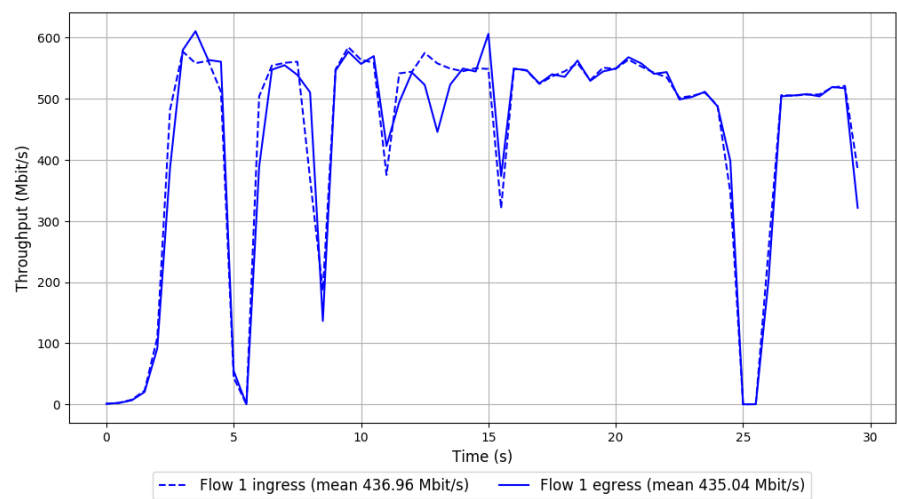


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-27 14:37:07
End at: 2018-02-27 14:37:37

# Below is generated by plot.py at 2018-02-27 20:53:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.04 Mbit/s
95th percentile per-packet one-way delay: 149.741 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 435.04 Mbit/s
95th percentile per-packet one-way delay: 149.741 ms
Loss rate: 0.79%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-27 14:52:07

End at: 2018-02-27 14:52:37

Below is generated by plot.py at 2018-02-27 20:53:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.87 Mbit/s

95th percentile per-packet one-way delay: 178.750 ms

Loss rate: 3.99%

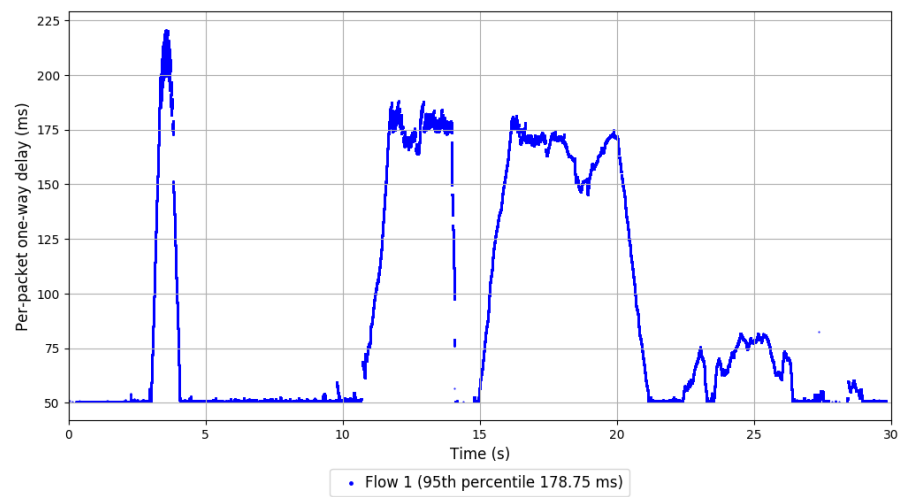
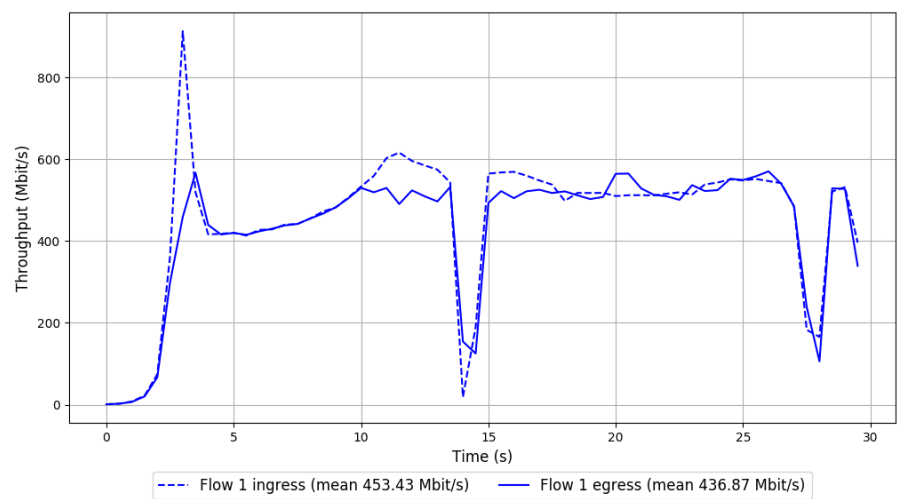
-- Flow 1:

Average throughput: 436.87 Mbit/s

95th percentile per-packet one-way delay: 178.750 ms

Loss rate: 3.99%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-27 15:06:56

End at: 2018-02-27 15:07:26

Below is generated by plot.py at 2018-02-27 20:53:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.03 Mbit/s

95th percentile per-packet one-way delay: 167.267 ms

Loss rate: 0.86%

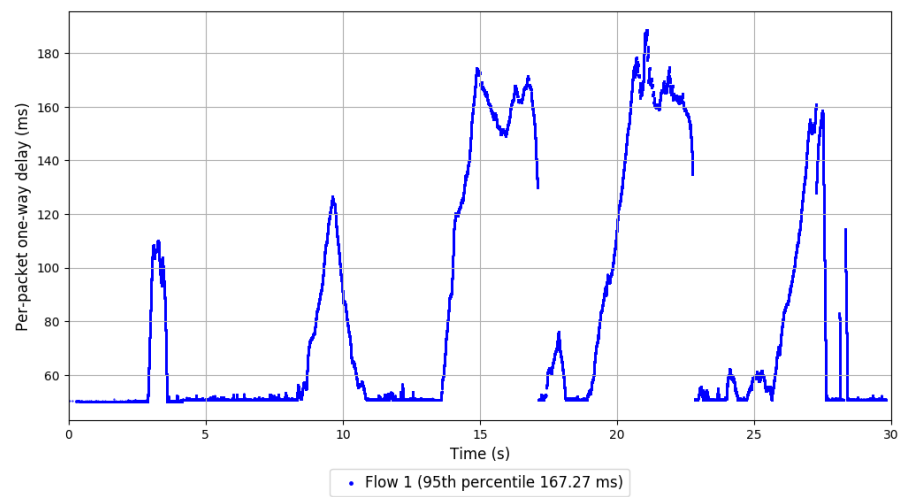
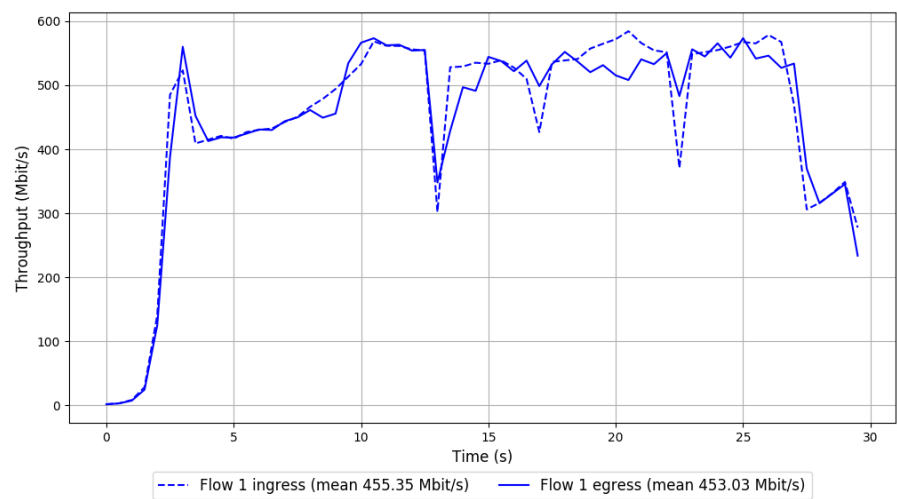
-- Flow 1:

Average throughput: 453.03 Mbit/s

95th percentile per-packet one-way delay: 167.267 ms

Loss rate: 0.86%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-27 15:21:29

End at: 2018-02-27 15:21:59

Below is generated by plot.py at 2018-02-27 20:54:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.02 Mbit/s

95th percentile per-packet one-way delay: 176.877 ms

Loss rate: 2.64%

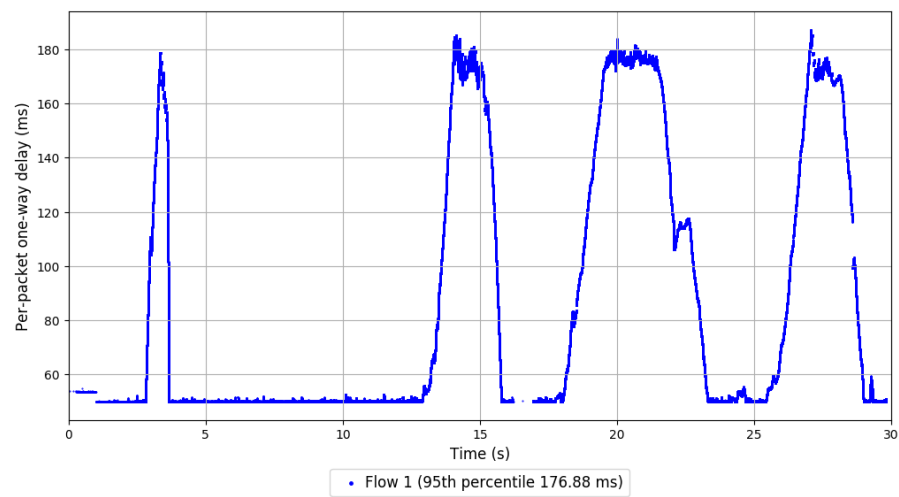
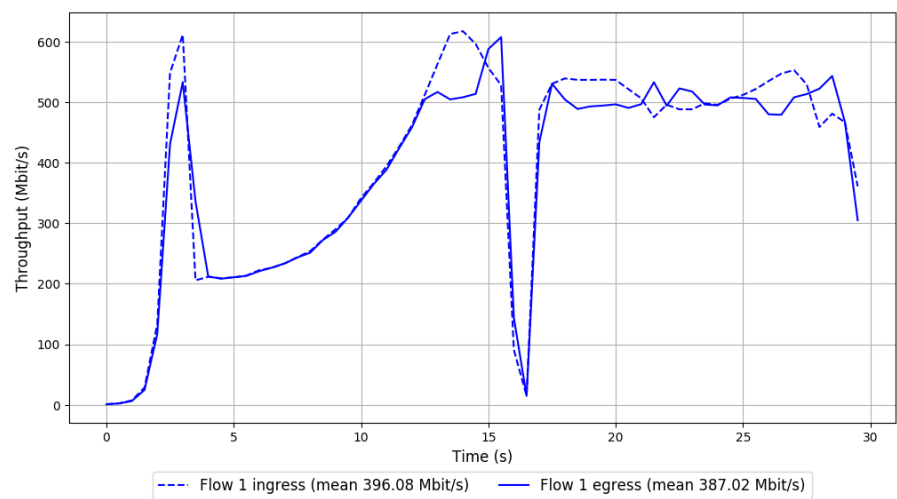
-- Flow 1:

Average throughput: 387.02 Mbit/s

95th percentile per-packet one-way delay: 176.877 ms

Loss rate: 2.64%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-27 15:36:31

End at: 2018-02-27 15:37:01

Below is generated by plot.py at 2018-02-27 20:57:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.68 Mbit/s

95th percentile per-packet one-way delay: 183.842 ms

Loss rate: 7.47%

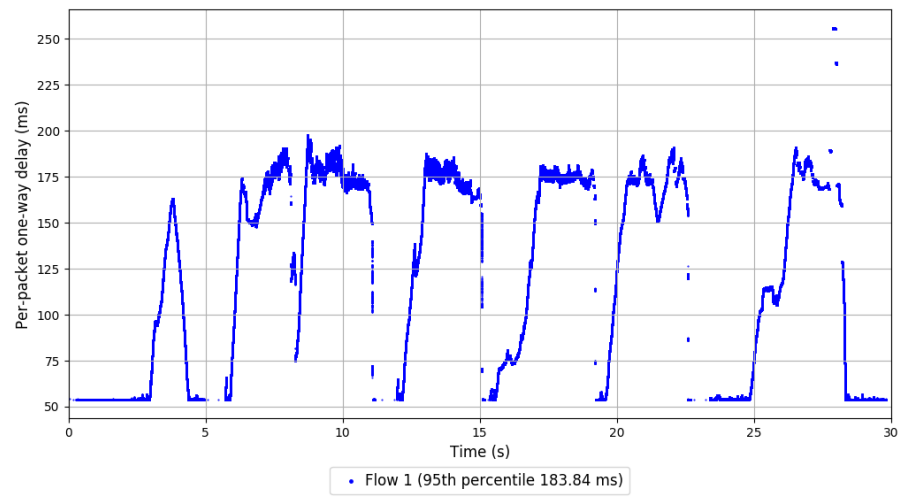
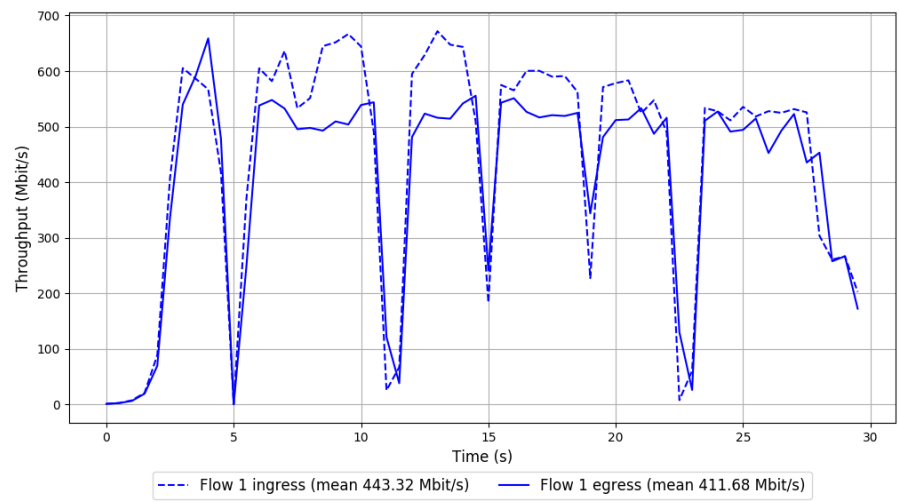
-- Flow 1:

Average throughput: 411.68 Mbit/s

95th percentile per-packet one-way delay: 183.842 ms

Loss rate: 7.47%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-27 15:51:21

End at: 2018-02-27 15:51:51

Below is generated by plot.py at 2018-02-27 20:58:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 437.56 Mbit/s

95th percentile per-packet one-way delay: 180.386 ms

Loss rate: 5.41%

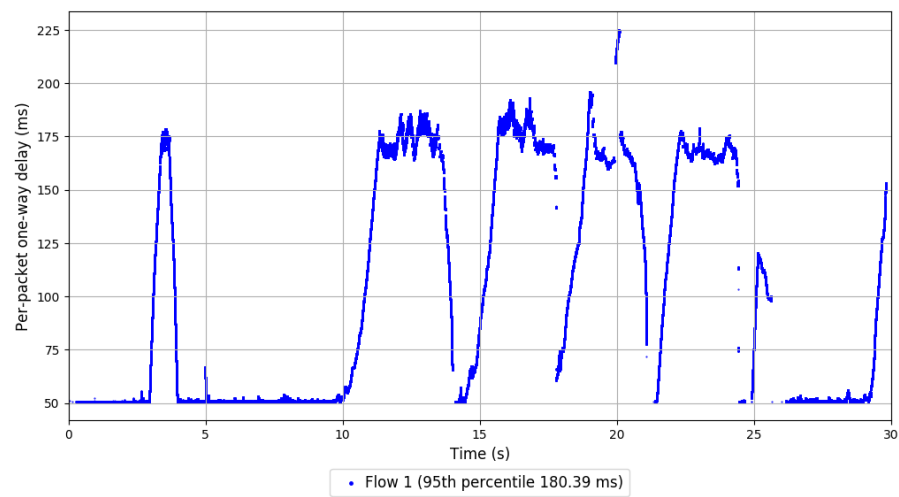
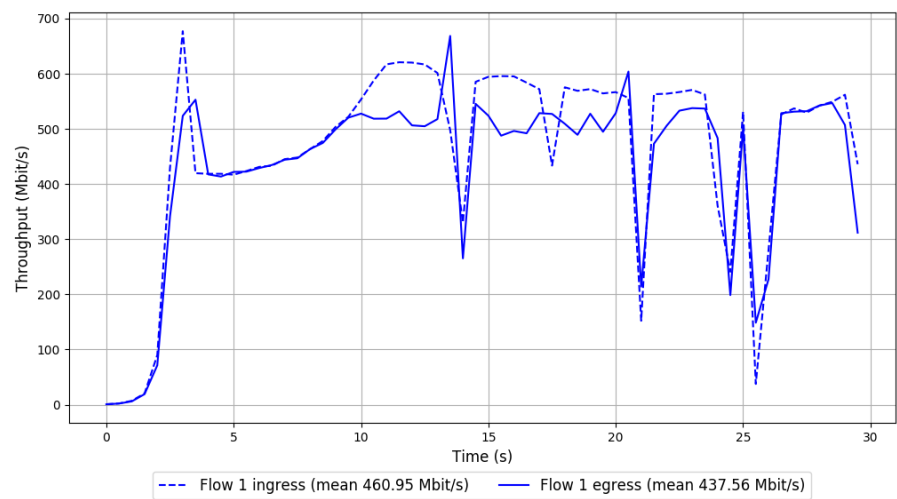
-- Flow 1:

Average throughput: 437.56 Mbit/s

95th percentile per-packet one-way delay: 180.386 ms

Loss rate: 5.41%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-27 16:06:03

End at: 2018-02-27 16:06:33

Below is generated by plot.py at 2018-02-27 20:58:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.84 Mbit/s

95th percentile per-packet one-way delay: 63.432 ms

Loss rate: 0.40%

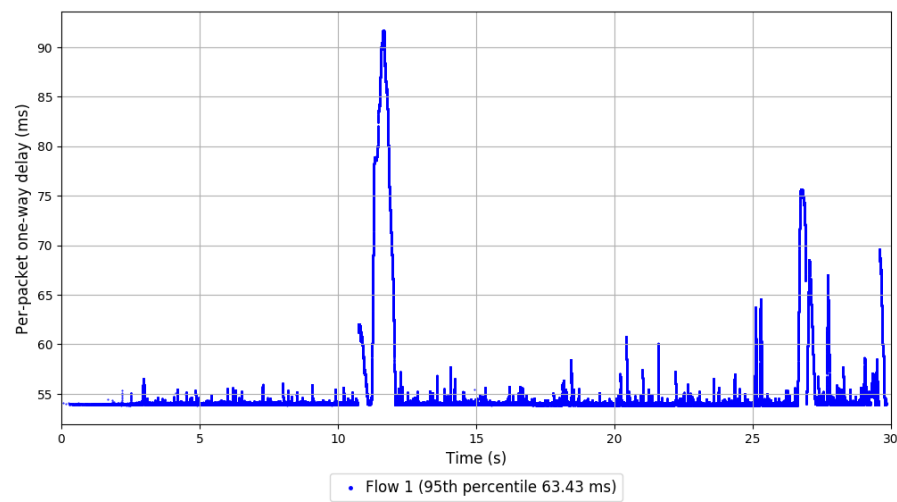
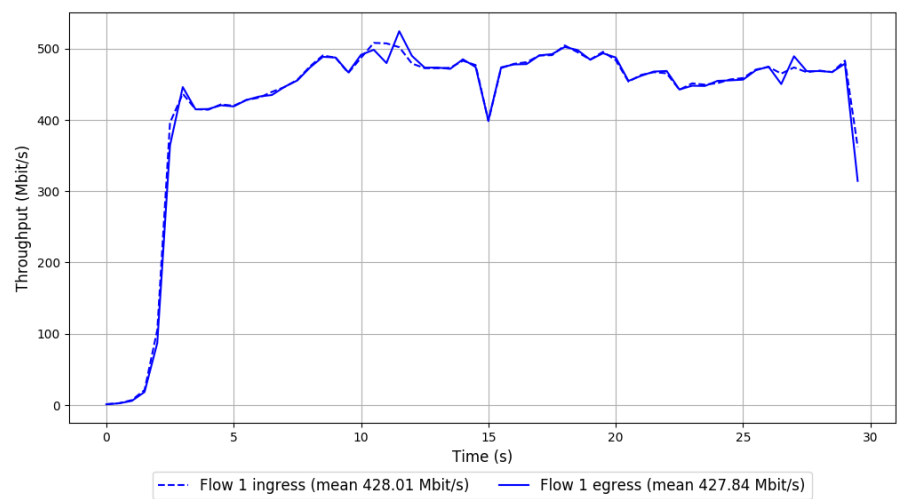
-- Flow 1:

Average throughput: 427.84 Mbit/s

95th percentile per-packet one-way delay: 63.432 ms

Loss rate: 0.40%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-27 16:20:48

End at: 2018-02-27 16:21:18

Below is generated by plot.py at 2018-02-27 20:59:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 457.13 Mbit/s

95th percentile per-packet one-way delay: 174.224 ms

Loss rate: 1.35%

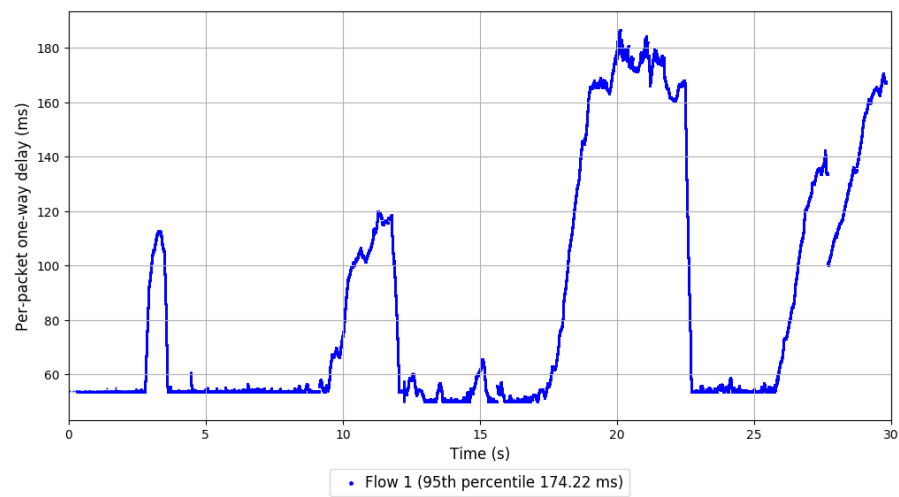
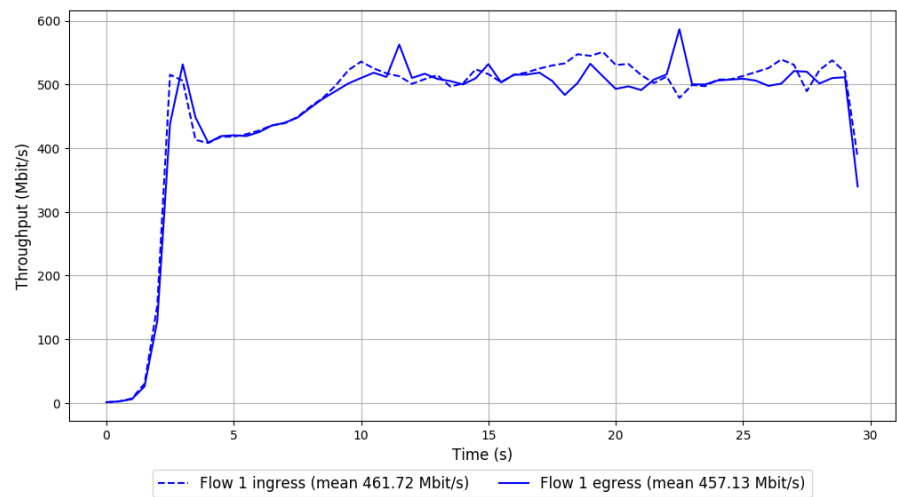
-- Flow 1:

Average throughput: 457.13 Mbit/s

95th percentile per-packet one-way delay: 174.224 ms

Loss rate: 1.35%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-27 16:35:27

End at: 2018-02-27 16:35:57

Below is generated by plot.py at 2018-02-27 20:59:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.00 Mbit/s

95th percentile per-packet one-way delay: 201.473 ms

Loss rate: 8.76%

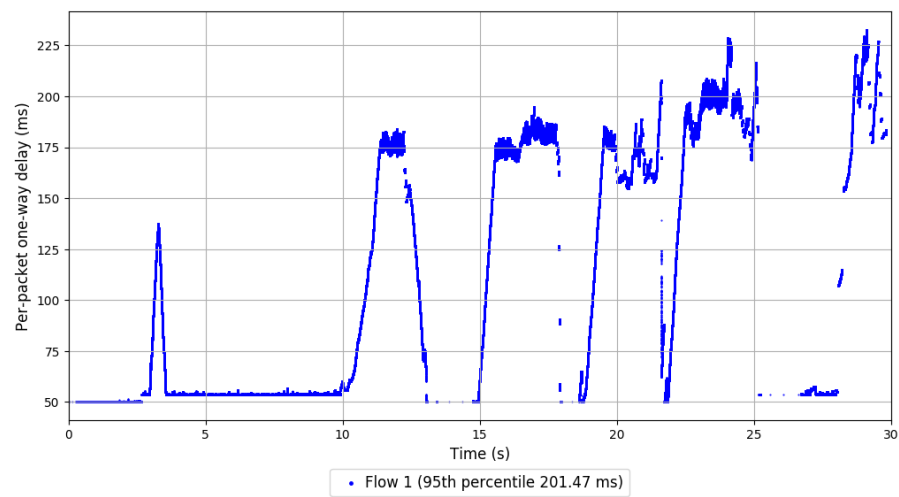
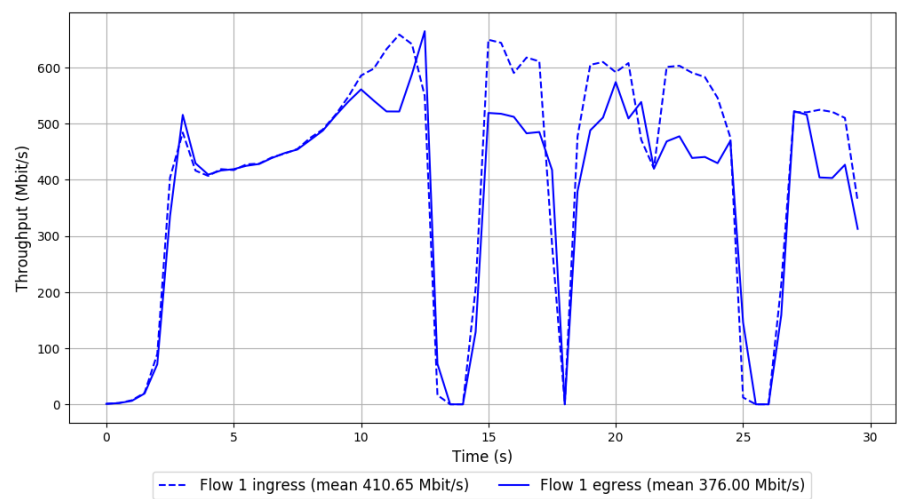
-- Flow 1:

Average throughput: 376.00 Mbit/s

95th percentile per-packet one-way delay: 201.473 ms

Loss rate: 8.76%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-27 16:50:11

End at: 2018-02-27 16:50:41

Below is generated by plot.py at 2018-02-27 21:00:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 417.00 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.40%

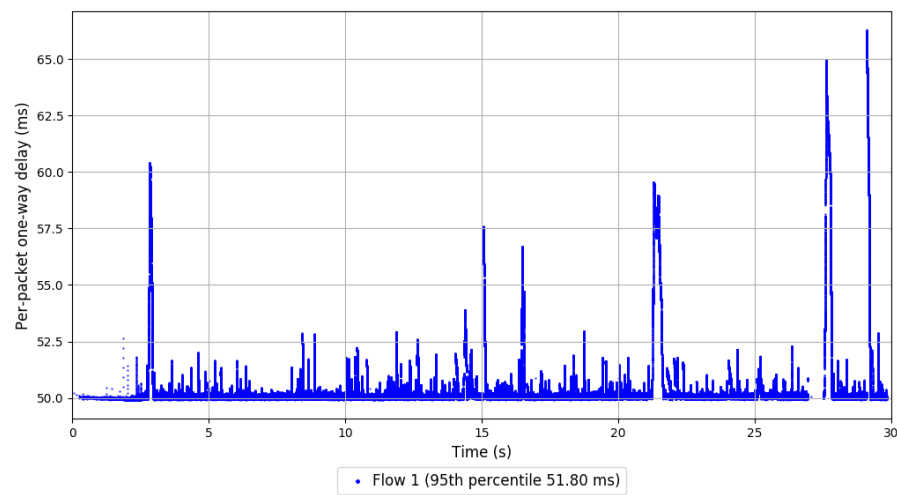
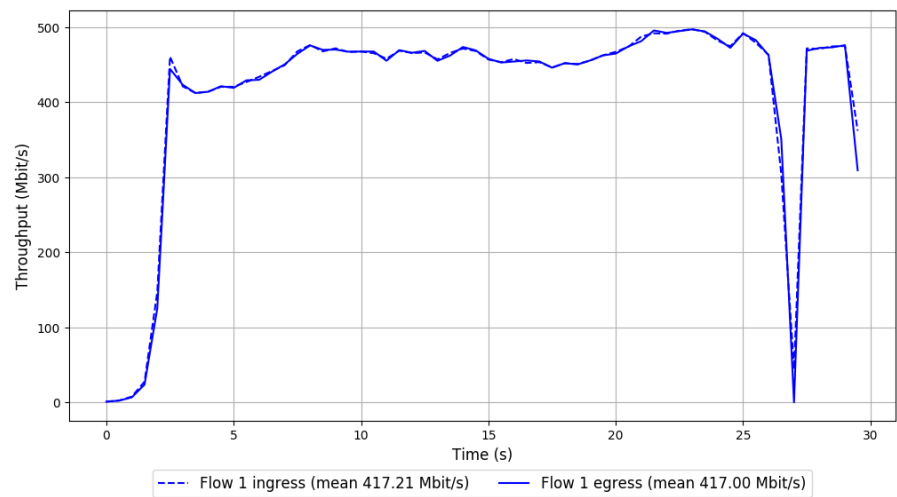
-- Flow 1:

Average throughput: 417.00 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.40%

Run 10: Report of Vivace-loss — Data Link

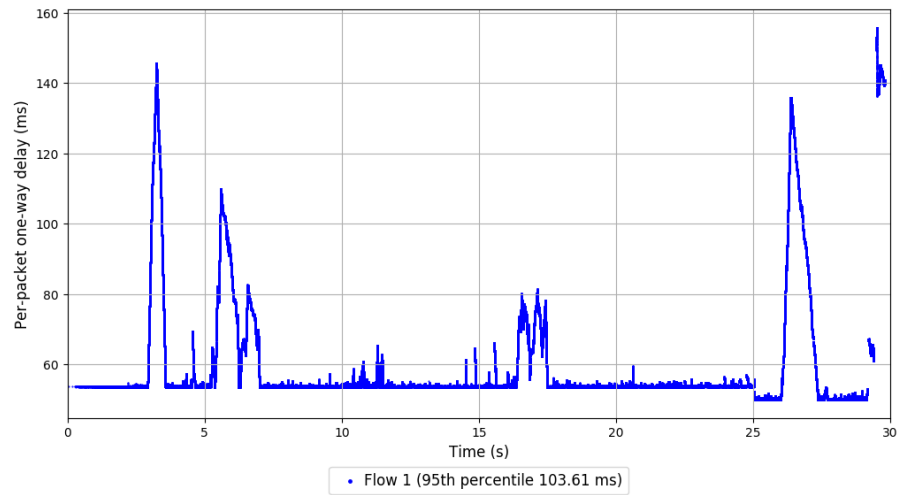
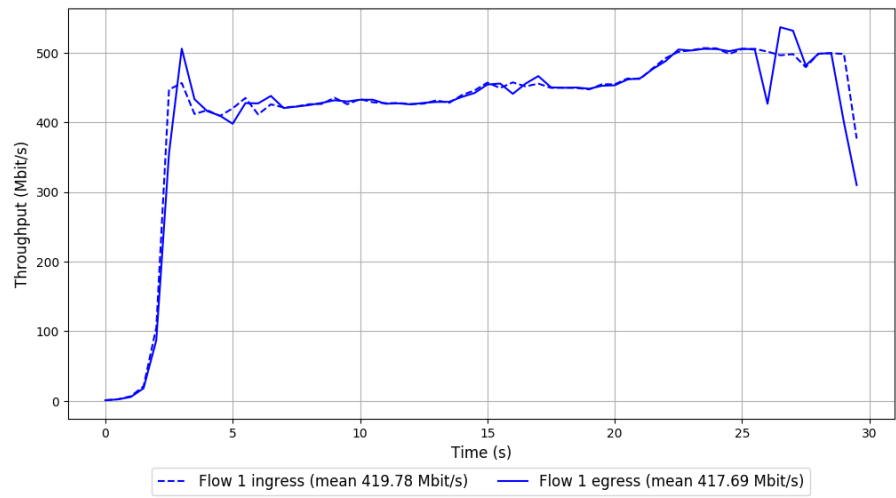


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-27 14:34:35
End at: 2018-02-27 14:35:05

# Below is generated by plot.py at 2018-02-27 21:01:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 417.69 Mbit/s
95th percentile per-packet one-way delay: 103.613 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 417.69 Mbit/s
95th percentile per-packet one-way delay: 103.613 ms
Loss rate: 0.86%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-27 14:49:24

End at: 2018-02-27 14:49:54

Below is generated by plot.py at 2018-02-27 21:02:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 457.99 Mbit/s

95th percentile per-packet one-way delay: 101.196 ms

Loss rate: 0.40%

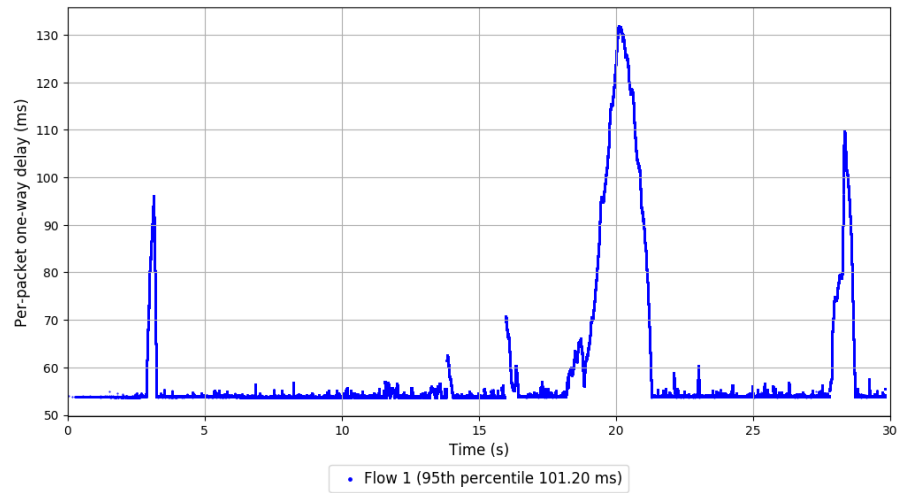
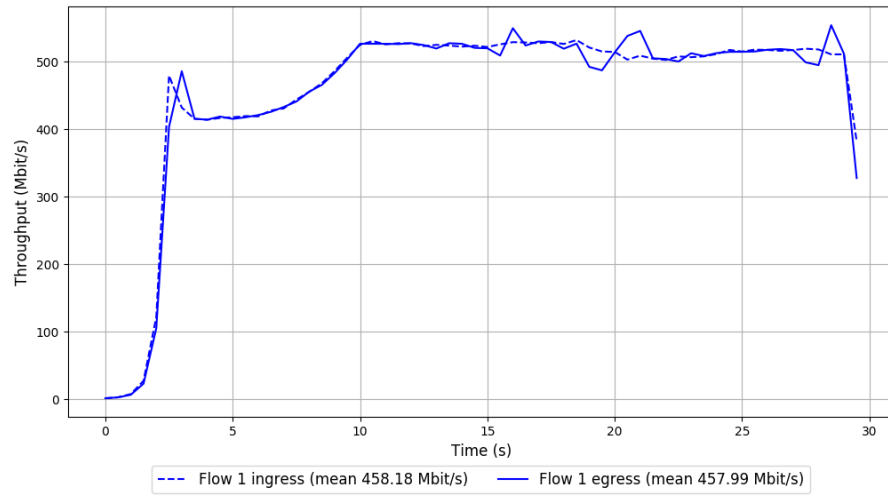
-- Flow 1:

Average throughput: 457.99 Mbit/s

95th percentile per-packet one-way delay: 101.196 ms

Loss rate: 0.40%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-27 15:04:21

End at: 2018-02-27 15:04:51

Below is generated by plot.py at 2018-02-27 21:05:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.53 Mbit/s

95th percentile per-packet one-way delay: 74.042 ms

Loss rate: 0.41%

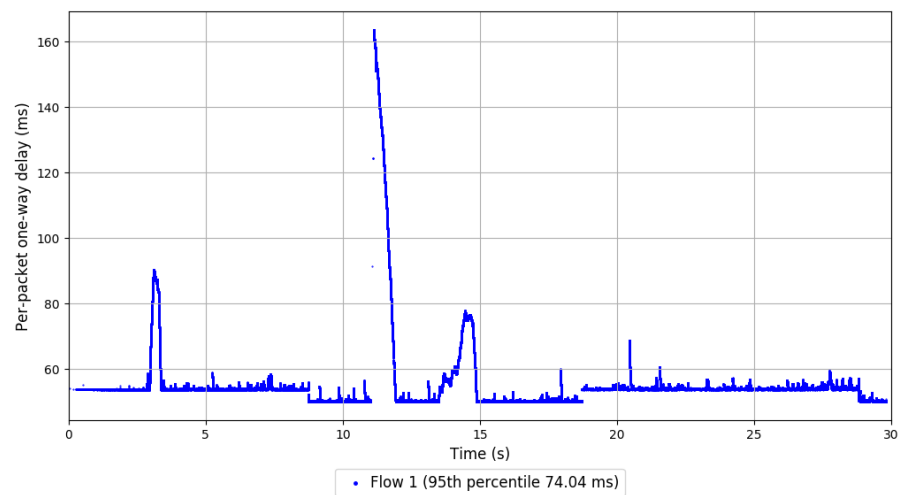
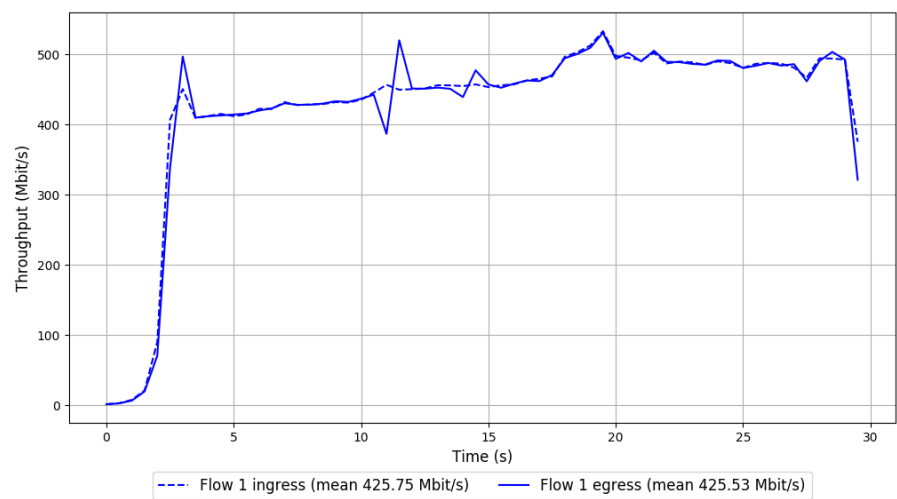
-- Flow 1:

Average throughput: 425.53 Mbit/s

95th percentile per-packet one-way delay: 74.042 ms

Loss rate: 0.41%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-27 15:18:51

End at: 2018-02-27 15:19:21

Below is generated by plot.py at 2018-02-27 21:06:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.68 Mbit/s

95th percentile per-packet one-way delay: 66.812 ms

Loss rate: 0.49%

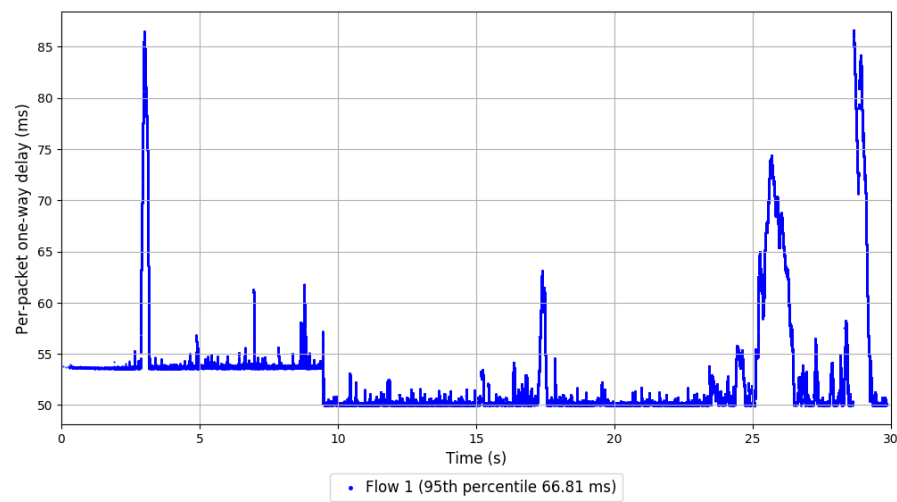
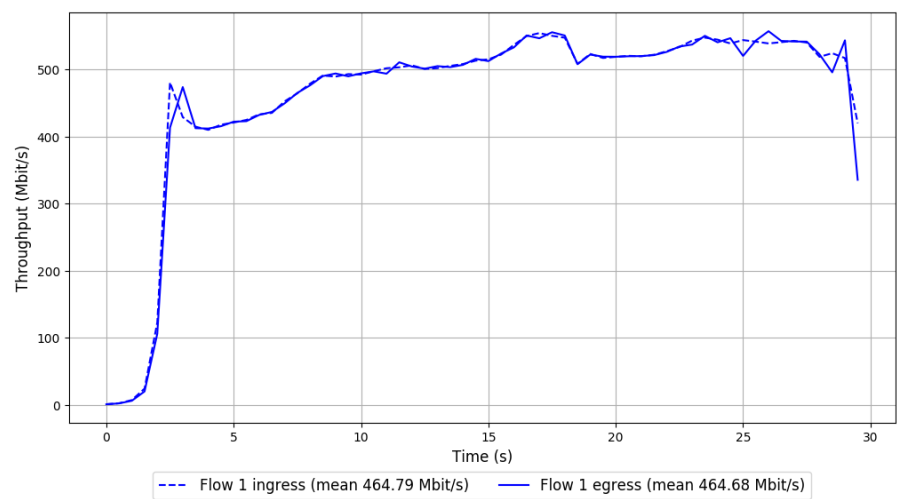
-- Flow 1:

Average throughput: 464.68 Mbit/s

95th percentile per-packet one-way delay: 66.812 ms

Loss rate: 0.49%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-27 15:33:40

End at: 2018-02-27 15:34:10

Below is generated by plot.py at 2018-02-27 21:06:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 449.29 Mbit/s

95th percentile per-packet one-way delay: 105.331 ms

Loss rate: 0.38%

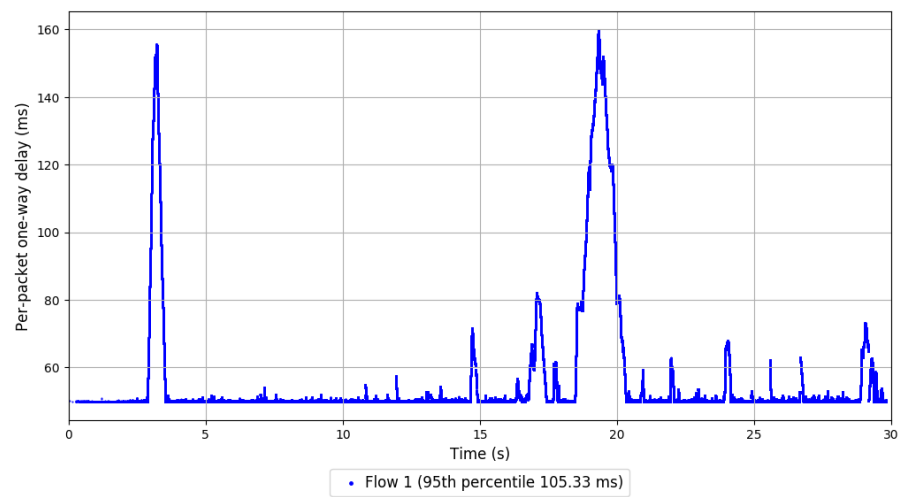
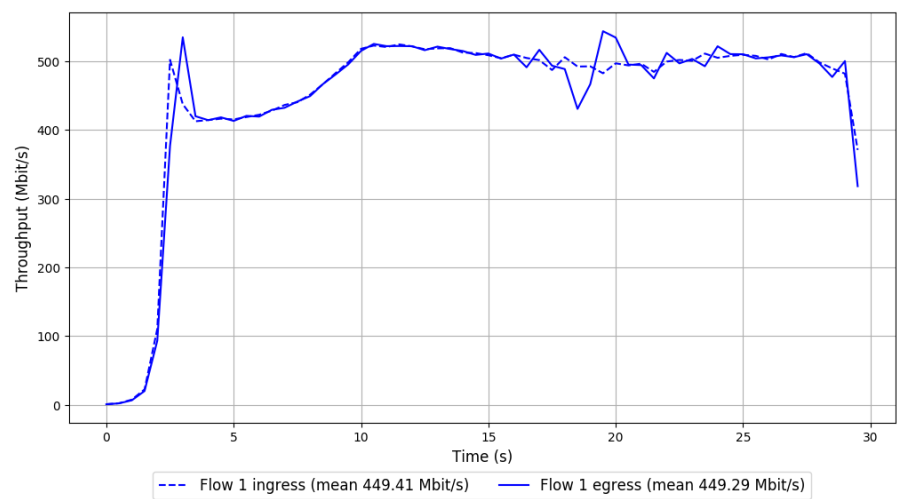
-- Flow 1:

Average throughput: 449.29 Mbit/s

95th percentile per-packet one-way delay: 105.331 ms

Loss rate: 0.38%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-27 15:48:32

End at: 2018-02-27 15:49:02

Below is generated by plot.py at 2018-02-27 21:07:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.05 Mbit/s

95th percentile per-packet one-way delay: 81.160 ms

Loss rate: 0.39%

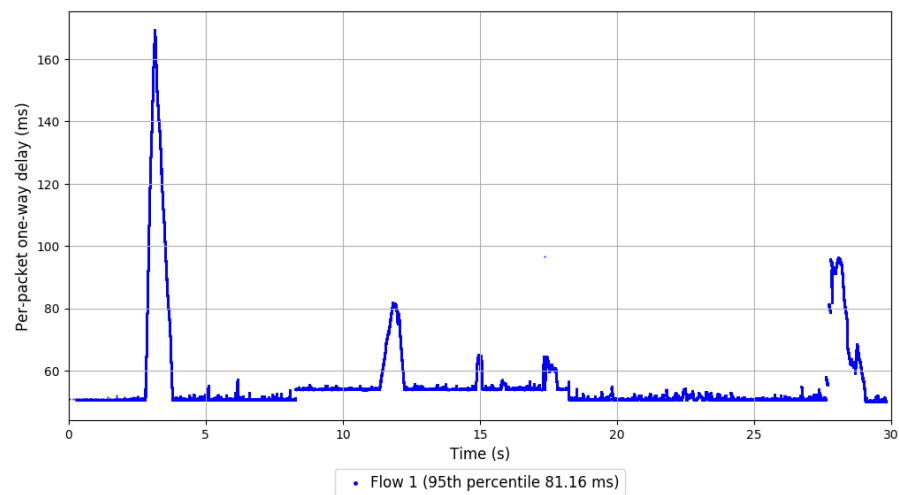
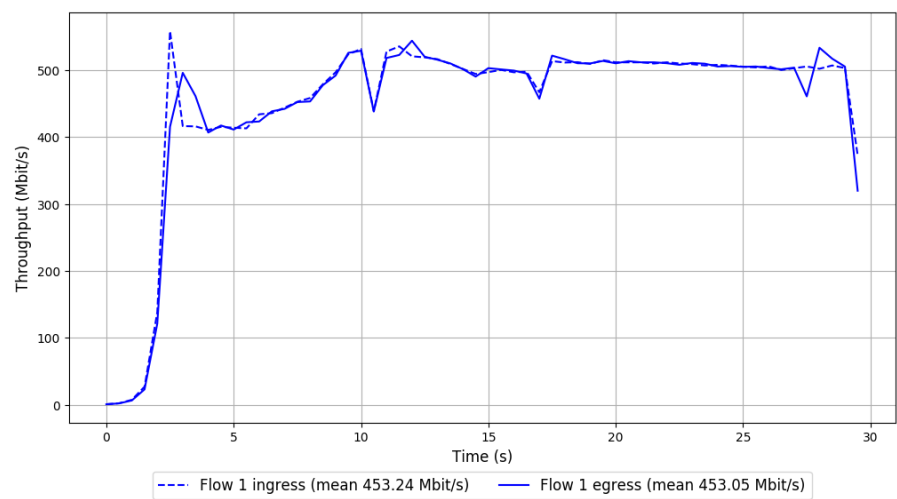
-- Flow 1:

Average throughput: 453.05 Mbit/s

95th percentile per-packet one-way delay: 81.160 ms

Loss rate: 0.39%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-27 16:03:23

End at: 2018-02-27 16:03:53

Below is generated by plot.py at 2018-02-27 21:07:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 436.88 Mbit/s

95th percentile per-packet one-way delay: 82.440 ms

Loss rate: 0.41%

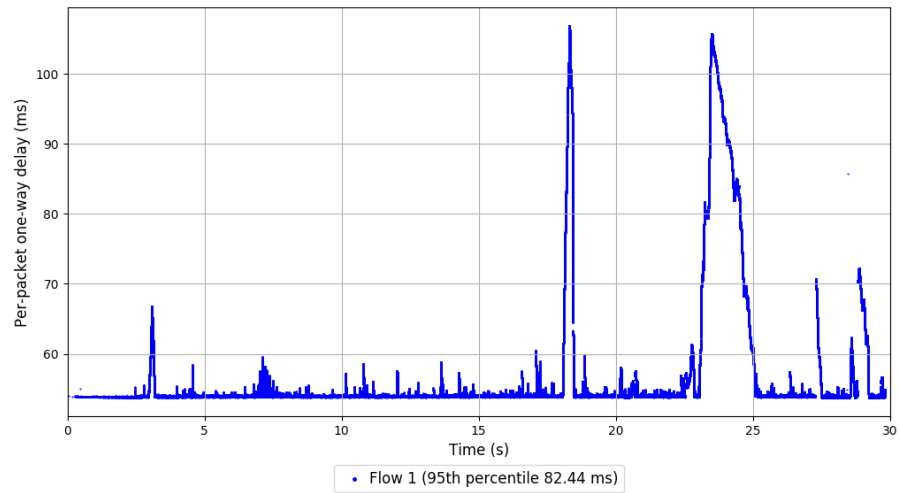
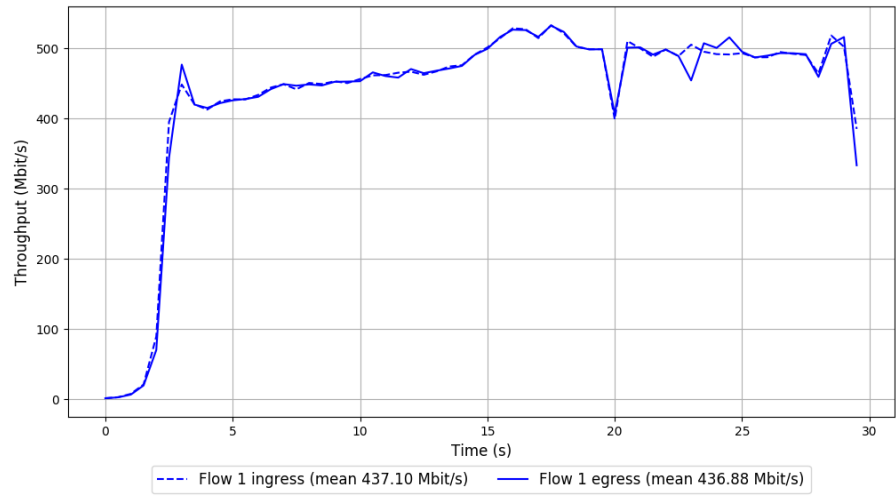
-- Flow 1:

Average throughput: 436.88 Mbit/s

95th percentile per-packet one-way delay: 82.440 ms

Loss rate: 0.41%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-02-27 16:17:59

End at: 2018-02-27 16:18:29

Below is generated by plot.py at 2018-02-27 21:07:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.53 Mbit/s

95th percentile per-packet one-way delay: 51.303 ms

Loss rate: 0.39%

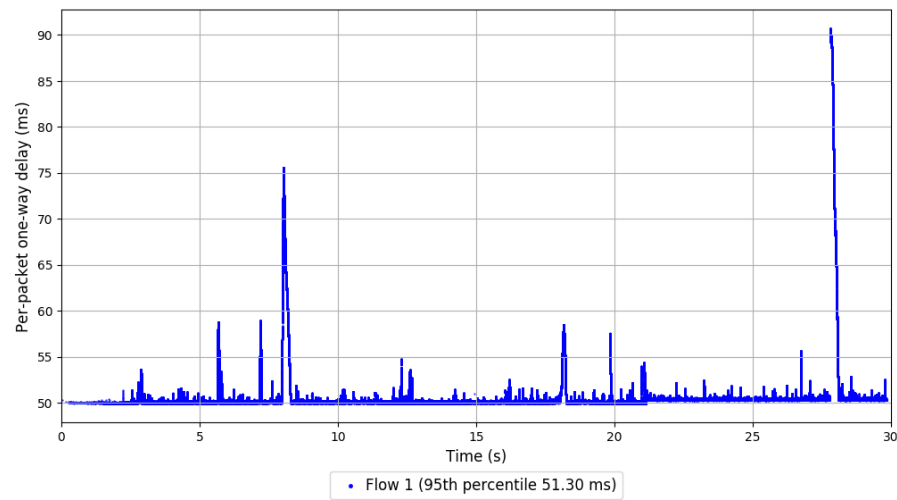
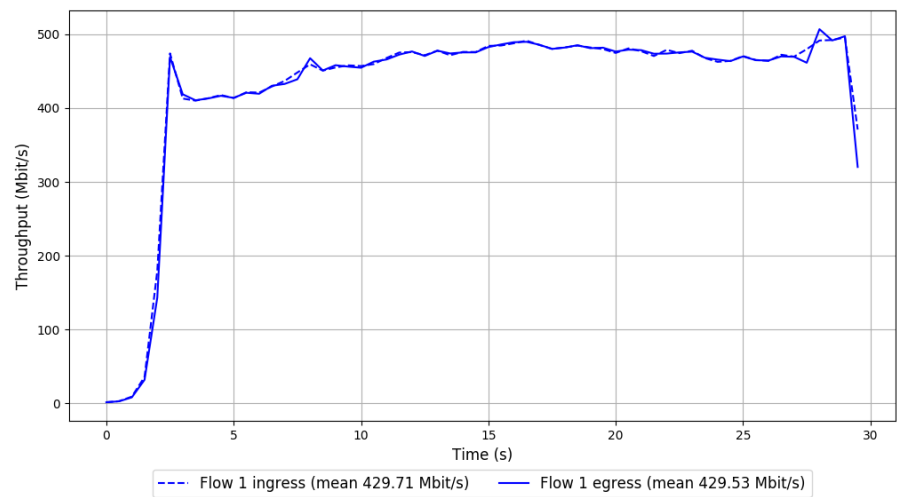
-- Flow 1:

Average throughput: 429.53 Mbit/s

95th percentile per-packet one-way delay: 51.303 ms

Loss rate: 0.39%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-27 16:32:58

End at: 2018-02-27 16:33:28

Below is generated by plot.py at 2018-02-27 21:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 427.57 Mbit/s

95th percentile per-packet one-way delay: 86.992 ms

Loss rate: 0.38%

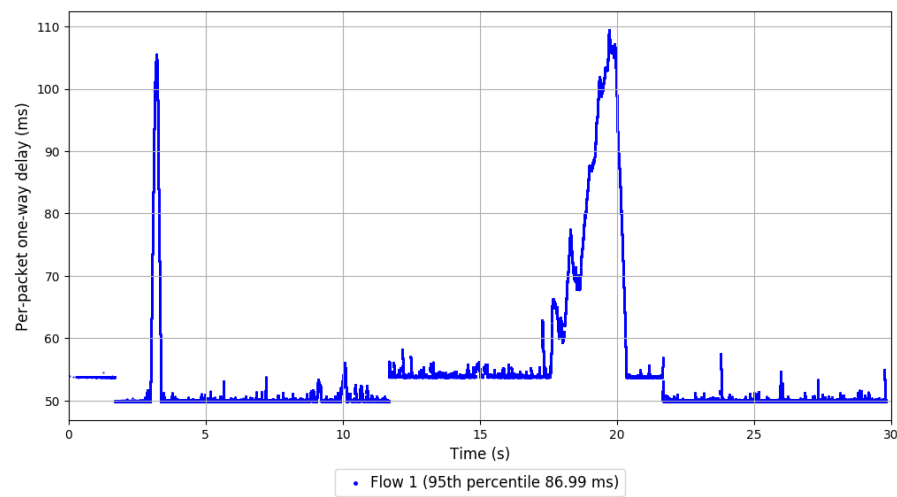
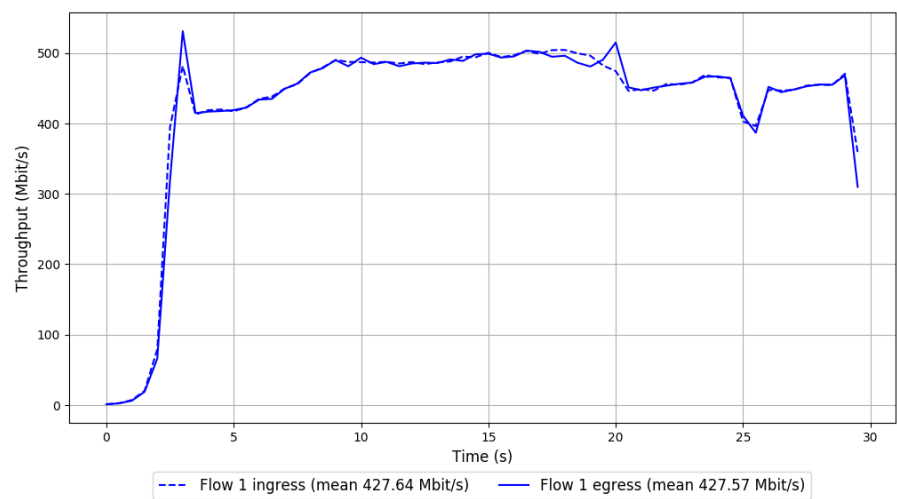
-- Flow 1:

Average throughput: 427.57 Mbit/s

95th percentile per-packet one-way delay: 86.992 ms

Loss rate: 0.38%

Run 9: Report of Vivace-LTE — Data Link



```
Run 10: Statistics of Vivace-LTE

Start at: 2018-02-27 16:47:21
End at: 2018-02-27 16:47:51

# Below is generated by plot.py at 2018-02-27 21:07:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 423.57 Mbit/s
95th percentile per-packet one-way delay: 65.754 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 423.57 Mbit/s
95th percentile per-packet one-way delay: 65.754 ms
Loss rate: 0.42%
```

Run 10: Report of Vivace-LTE — Data Link

